

19971010.qrp v00_n874.qrs.971010

Date: Fri, 10 Oct 1997 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 874

QRP-L Digest 874

Topics covered in this issue include:

- 1) [28453] Re: HB: Experiment on VXO Coverage
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 2) [28454] QRP flashlights!
by Jim W7LS <w7ls@brigadoon.com>
- 3) [28455] Re: FOX: North America Results 10/6/97
by Joe Gervais <vole@primenet.com>
- 4) [28456] Re: QRP-15 Xcvr: follow-up
by K5BDZ@aol.com
- 5) [28457] Re: New Kit, Sour Grapes
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 6) [28458] Re: FOX: North America Results 10/6/97
by Ed Loranger <we6w@qsl.net>
- 7) [28459] new kit, sour grapes
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 8) [28460] Re: HB: Experiment on VXO Coverage
by Bill Myers <bjmyers@arc.net>
- 9) [28461] FOX: NEW TEAM:FOXTAIL PACKERS
by Ed Loranger <we6w@qsl.net>
- 10) [28462] Pixie2 Kit Source OUT OF STOCK!
by Bill Myers <bjmyers@arc.net>
- 11) [28463] Does Your Dog know CW???
- by Bill Myers <bjmyers@arc.net>
- 12) [28464] FOX: Rude 'N9' station
by JFKluender <JFKluender@aol.com>
- 13) [28465] Re: QRP-15
by n4js@amsat.org (John Sielke)
- 14) [28466] Re: Test "Bench" Equipment
by "Jerry E. Davis Jr." <jdkb5eko@flash.net>
- 15) [28467] Doug DeMaw
by dzn1@juno.com (Howard D Rubin)
- 16) [28468] Re: CW FILTER
by Dan Hogan <dhhogan@lightside.com>
- 17) [28469] FM Transmitter Kits
by Chris McCormack <mccormac@ma.ultranet.com>
- 18) [28470] RE: Performance of Big \$\$\$\$ Rigs and Simple QRP Rigs (Long and
Opinionated)
by "chuck munce" <k0gjx@classic.msn.com>

- 19) [28471] Extra Equiplent
by "STUART B.D.HUNT" <stuart001@ameritech.net>
- 20) [28472] 38S Question
by Bob Roach <KE4QOK@worldnet.att.net>
- 21) [28473] Re: sw listening
by LynnSimons <LynnSimons@aol.com>
- 22) [28474] RE: QRP flashlights!
by Dan Dobson <ddobson@iei.net>
- 23) [28475] Re: Performance of Big \$\$\$\$ Rigs and Simple QRP Rigs (Long and
Opinionated)
by Ken Lopez <kjlopez@earthlink.net>
- 24) [28476] Re: sw listening
by "Daniel L. Evans" <dlevans@hsonline.net>
- 25) [28477] QRP flashlights (here's the source)
by Jim W7LS <w7ls@brigadoon.com>
- 26) [28478] Re: sw listening
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 27) [28479] RE: QRP Light/Lithium Battery?
by wpc@west.net (John Roblin)
- 28) [28480] re: sw listening
by Rick Sealey <rsealey@InfoAve.Net>
- 29) [28481] FOX - Quick review
by Martin Squicciarini <skitch@resuba.com>
- 30) [28482] 15 meter radios
by n4so@juno.com (charles k brown)
- 31) [28483] Re: CW FILTER
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 32) [28484] Re: New Kit, Sour Grapes
by Randy Hargenrader <randyh@harksystems.com>
- 33) [28485] Re: QRP Light/Lithium Battery?
by Michael Maiorana <mikemo@ibm.net>
- 34) [28486]
by "Jerry Williamson" <jwilliam@nothnbut.net>
- 35) [28487] Lithium battery capacity
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 36) [28488] RUFZ
by Paul Cereste <cereste@myapc.com>
- 37) [28489] Photon Microlights
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 38) [28490] Re: Does Your Dog know CW???
- by Paul Harden <pharden@aoc.nrao.edu>
- 39) [28491] RUFZ
by "Junius B. Fox" <w5hir@mail.phoenix.net>
- 40) [28492] SPLIT/NO SPLIT Polls In
by tahrens1@juno.com (Timothy H Ahrens)
- 41) [28493] SS 1997 Warning
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 42) [28494] FOX SCHEDULE V1.2

by adams@chuck.dallas.sgi.com (Chuck Adams)

43) [28495] Anyone want to chat this afternoon?
by "Kevin F. Glynn" <kfglynn@prodigy.net>

44) [28496] HB: weak signal enhancement
by Steven Weber <kd1jv@moose.ncia.net>

45) [28497] Re: NEW TEAM:FOXTAIL PACKERS
by "Michael A. Gipe" <mgipe@reliablemeters.com>

46) [28498] Re: Test "Bench" Equipment
by Ed Loranger <we6w@qsl.net>

47) [28499] FS: OHR Classic; MFJ 9030; MFJ 784 DSP Audio Filter
by "Jim Johnson" <km7h@gte.net>

48) [28500] Re: Does Your Dog know CW???
by Jim Glover <psykey@okcforum.org>

49) [28501] WTB Sierra unbuilt kit or partial
by Steve Galchutt <n0tu@webaccess.net>

50) [28502] Re: Performance of Big \$\$\$\$ Rigs and Simple QRP Rigs (Long and
Opinionated)
by Bill Morris Denton <bdenton@tenet.edu>

51) [28503] Re: NEW TEAM:FOXTAIL PACKERS
by Ed Loranger <we6w@qsl.net>

52) [28504] Re: RUFZ
by AE0Q V31RY <v31ry@ix.netcom.com>

53) [28505] Re: HB: weak signal enhancement
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>

54) [28506] Re: SS 1997 Warning
by AE0Q V31RY <v31ry@ix.netcom.com>

55) [28507] Re: FOX: Rude 'N9' station (LONG)
by John Bohnert <johnb@elmhurst.edu>

56) [28508] A better filter for Fox Nite
by "Gene A. Williamson" <genewill@ordata.com>

57) [28509] Re: HB: weak signal enhancement
by Jim Glover <psykey@okcforum.org>

58) [28510] RE: QRP Light/Lithium Battery?
by Jim W7LS <w7ls@brigadoon.com>

59) [28511] Re: HB: weak signal enhancement
by Ed Loranger <we6w@qsl.net>

60) [28512] MY SP results-K6PZB
by John Watrous <jwatrous@groucho.santarosa.edu>

61) [28513] Re: sw listening
by Robert Parks <rob3ert@vegas.infi.net>

62) [28514] ----[FOR SALE]-----
by SNickrand@aol.com

63) [28515] Flitz and Semi-Chrome
by rerobins@unccvm.uncc.edu (Rick Robinson)

64) [28516] Re: NEW TEAM:FOXTAIL PACKERS
by "Michael A. Gipe" <mgipe@reliablemeters.com>

65) [28517] weak signal enhancement
by "Fishman, Clark" <cfishman@pica.army.mil>

- 66) [28518] Re: SST 20 VX0 range
by G3TUX@aol.com
- 67) [28519] RE: weak signal enhancement
by John Anthony Reynolds <D2250077@infotrade.co.uk>
- 68) [28520] Pacificon Denied!
by Joe Gervais <vole@primenet.com>
- 69) [28521] Re: new kit, sour grapes
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 70) [28522] Fox: hunting etiquette (long)
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 71) [28523] re: sw listening
by "Dean T. Miller" <dtmiller@dsmsnet.com>
- 72) [28524] WA8MCQ: "JOY is back on the streets--Hot Damn!"
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 73) [28525] Re: weak signal enhancement
by Ken Lopez <kjlopez@earthlink.net>
- 74) [28526] Re: FOX: Rude 'N9' station (LONG)
by Dave Sjolin <sjolin@swbell.net>
- 75) [28527] Re: weak signal enhancement
by John Evans - N0HJ <jaevans@codenet.net>
- 76) [28528] Re: Pixie Sidetone
by fmathews@norfolk.infi.net (Frank Matthews)
- 77) [28529] CW/SSB ratio=18dB. How?....
by lalexe@pcnet.pcnet.ro (Laurentiu Alexe)
- 78) [28530] Re: CW/SSB ratio=18dB. How?....
by Jim Glover <psykey@okcforum.org>
- 79) [28531] RE: weak sig Enhancement
by Steven Weber <kd1jv@moose.ncia.net>
- 80) [28532] Re: CW/SSB ratio=18dB. How?....
by Ed Loranger <we6w@qsl.net>
- 81) [28533] Re: weak sig Enhancement
by Jim Glover <psykey@okcforum.org>
- 82) [28534] Re: Pacificon Denied!
by "Phil, K6LS" <k6ls@amsat.org>
- 83) [28535] Re: more on Weak signal enhancement
by Steven Weber <kd1jv@moose.ncia.net>
- 84) [28536] "The QRP Channel"
by fmathews@norfolk.infi.net (Frank Matthews)
- 85) [28537] A QRPer is Prepared!
by n4js@amsat.org (John Sielke)
- 86) [28538] Re: Pacificon Denied!
by Joe Gervais <vole@primenet.com>
- 87) [28539] Re: Pacificon Denied!
by Paul Harden <pharden@aoc.nrao.edu>
- 88) [28540] New info on my site
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
-

Date: Thu, 09 Oct 1997 19:01:41 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: minowa@icepp.s.u-tokyo.ac.jp
Cc: qrp-1@Lehigh.EDU
Subject: [28453] Re: HB: Experiment on VXO Coverage
Message-ID: <3.0.1.16.19971009190141.2c5795c8@mail-cluster.pcy.mci.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

At 05:22 PM 10/9/97 +0900, Mikoto MINOWA wrote:
>Dear homebrewers, especially VXO enthusiasts,
>
>Please vist and see a new addition to my web page entitled
>
>"Experiment on Super VXO"
>[Frequency coverage vs inductance, a case of 14.218MHz HC18/U]
>
>at URL <http://www.qsl.net/7n3wvm/>
>

Makoto...nice of you to post your experimental results for the qrp-1 gang. I too have been experimenting with a super VXO here, using a 22.1184 MHz crystal pair. Using a MV2105 varicap diode for the tuning element, I can easily get 50 KHz of frequency coverage using a 4.7 uH inductor, and have had the VXO operating over 100 KHz with a variable capacitor, instead if the varicap diode. I wish I had some way of scanning my schematics and results so that you could see them. I guess a good digital camera is my next purchase.

In my experiments, I have found that adding a second crystal will improve the frequency coverage at least 2X, and depending on the crystals and frequencies used, as much as 5X over a single crystal. Temperature stability does not seem to be compromised any by adding the second crystal.

I'll try to work up an ASCII schematic of the circuit that I am using so you can visualize the similarities to your circuitry. Our results are amazingly similar.

72 and kind regards.....Jim

PS...I haven't yet updated the VXOs in the 38S or 17S, but should be doing that shortly. 50 KHz coverage on each band will be nice to have!

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com		__o H.F. bicycle mobile
Fenton, MI		_'\<, Mizuho 17/40 SSB
...	(*)/(*)	...
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts		
Most recent -	Iowa	Mauritius
NorCal 38S/17 Log - 12 States; 19 Countries - Running 1.5 watts		
Most recent -	Utah	Brazil

Date: Thu, 9 Oct 1997 16:19:39 -0700 (PDT)
 From: Jim W7LS <w7ls@brigadoon.com>
 To: qrp-l@lehigh.edu
 Subject: [28454] QRP flashlights!
 Message-ID: <199710092319.QAA25460@k2.brigadoon.com>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

Hi, gang.

I stumbled onto a real QRP flashlight the other day. It is called the Photon Microlight. They come in red, green, blue, yellow, and get this; WHITE!

They are all LED based, with a coin cell (Lithium 2036 cell). You can pinch them between your pointer finger and your thumb and hide them. Cool.

The back of the package says the life of the cell is..... 124 HOURS.... That's key-down, folks. I'll hit retirement age before I have to replace the 98 cent battery. The LED is guaranteed for life.

Is it bright? You bet. I took a walk in pitch black night woods and you can easily see to walk around and it's almost too bright to fiddle with radios in the dark.

Only place I have found these is at a vendor's booth at a local gun show in Puyallup. The guy is from Oregon, where they are made. Name is Darrell Schenk. Anyone see them anywhere else? I asked if I could get another one by mail and he said yes.

If anyone is interested, I can provide address and phone.

I am not related, nor do I profit from this, in any way. Just a satisfied customer that found something that might bennefit the group.

73 de Jim, W7LS

Date: Thu, 9 Oct 1997 16:18:53 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: we6w@qsl.net (Ed Loranger)
Cc: qrp-1@lehigh.edu
Subject: [28455] Re: FOX: North America Results 10/6/97
Message-ID: <199710092318.QAA05045@usr07.primenet.com>
Content-Type: text

Howdy,

Ed (WE6W) wrote:

>

> Anyone know where to enter my team?

Email the final roster to me. This is a personal project,
so don't expect any big prizes or anything. Maybe a box
of frosted Pop Tarts and some microwave pork rinds. :-)

Deadline for Team entries is Sunday.

The Team stuff is totally separate from the North American
Challenge stuff. Neither should degrade the quality of the
Hunt, but if they do, I won't hesitate to pull the plug.

> There's only three of us right now. But we're chosing

> a name today!!!

>

> Last chance to join us.

Bear in mind you only need three to form a team. Each team
must have 3-5 Hunters. Real key is to get together with
friends from across the continent, have alot of fun, and
maybe brag a little. ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!"

Date: Thu, 9 Oct 1997 19:11:10 -0400 (EDT)
From: K5BDZ@aol.com
To: amarriot@direct.ca, qrp-1@Lehigh.EDU
Subject: [28456] Re: QRP-15 Xcvr: follow-up
Message-ID: <971009190854_1800007491@emout12.mail.aol.com>

Was not happy with the QRP-15 kit I built. Took too many mods -
improvements-just to operate fairly well. Many better designs out there.
Basic design is very similar to MFJ rigs.
But, you can burn solder! Good Luck
Bill, K5BDZ

Date: Thu, 9 Oct 1997 20:04:30 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: ae4ic@nr.infi.net
Cc: qrp-1@lehigh.edu
Subject: [28457] Re: New Kit, Sour Grapes
Message-ID: <199710091904.UAA06113@chuck.dallas.sgi.com>

Bob et.al.,

You know you are right. And we apologize for the teasing that is going on. It is not our intent at all to make the right coast feel remote from the action. There are a lot of individuals on the left coast that don't have the inside track either. What with all the territorial competition in good clean fun in the foxhunt it may seem like there is a division among the troupes. I guess the internet tends to make us feel like next door neighbors.

1. Don't worry, there are only a few that know what the kit is all about. And probably we don't have a clue either. :-) I think from Paul's teasers that he possibly may have something different than I have. I hope not.
2. On Saturday of Pacificon several things will happen.
 - a. The new NorCal kit will be announced.
 - b. The price will be announced.
 - c. At the same time that it is being shown at Pacificon, I will push to my web page the same information at the same time, so it will kinda be like a simulcast announcement. That should be 2pm CDT, 3pm EDT, etc. High noon PDT. Also a photo of my finished building of the kit.
 - d. Jerry Parker will be running rapid display of photos from Pacificon on the NorCal web page. I know that not everyone will

have web capability, but at least the info is available.

Now here is a personal note and something that I have observed over four years of this list.

- A. There are those that will immediately rush to the mail box and order one.
- B. There are those that will wait until the next paycheck and then order one.
- C. There are those that will wait until a friend has one, builds it, debugs it, gets it on the air, and lets them play with it and then they'll order. Or watch the number of postings to this group (we are spoiled) and watch for the errata, mods, and 'I did this and....' to determine the value of the kit and the need for same.
- D. There are those that wait until the last week that the manufacturer has the product in production and then orders the item of interest. Or sees a note that the company/club/individual/etc. has decided to end the life of the item.
- E. There are those that wait until it's too late and then go into a frantic search to find one 'in the box' unbuilt. And most likely paying more.
- F. You gotta remember that this group has rapid access to a lot of information, both good and bad, useful and useless, and in large volume(s). Publications take months to get the information to press and think about those individuals that get an article on the 40-9er, 38S and then find out it is no longer in production. None of us can fault NorCal for wanting to go on to something else. And financially it would be a disaster due to the volume of parts etc..... And remember that parts like NE602's have gone away and being replaced by more expensive parts.

The internet has put information distribution and retrieval at a new level with greater numbers of players.

So each of us has to decide which group we belong to for this kit or any other that comes along.

I would guess the present excitement is all over the fact that it seems like some time since this group has seen a new kit and the sharks are hungry. :-) We need our fix and we need it now. It does take a relatively long time to get a new kit designed, debugged, documented, priced, parts in hand, etc. So the periods of no new kits followed by a flurry of activity.

NorCal has a wonderful track record on their kits. So do a large number of other individuals, commercial vendors, and clubs. IMHO there is a demand for kits and it seems to be at an alltime high. But several things have happened.

1. There is a limited price range for large numbers to be sold, thus low margins, low profit, etc.

2. There is a higher range whereby the number of kits to be sold goes down.
3. The competition for the QRPers dollars is high.
4. Everyone that wants to do this stuff has to work out all the issues.

So it adds up to a small economic universe that has all the human and technological problems and issues to be solved. You don't see a large number of people doing it. It isn't at all easy.

One thing that may have been considered and negotiations would have to be done, etc. is that another club might want to take up an old kit with permission from all parties involved, etc.

So, Bob, thanks for the posting. I will cease the 'teasers' and let the thread die down until Pacificon. I can see your side and your point of view and it is well taken.

With 2,000+ readers I guess it is hard to remember that there is a burden upon everyone to keep the irritation level down. Please accept my apology to all those that have been 'put-off' by the teasers. It will cease on this end.

FYI to all

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Thu, 09 Oct 1997 16:24:55 -0700
From: Ed Loranger <we6w@qsl.net>
To: Joe Gervais <vole@primenet.com>
Cc: qrp-1@lehigh.edu
Subject: [28458] Re: FOX: North America Results 10/6/97
Message-ID: <343D67C7.4FD8@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks Joe for the team entry info. I'll submit our name and 'family' tomorrow, Friday.

P.S. Almost had the fox last nite. KW stn indeed.

My two dogs started acting up during the hunt too.
Hmmm, if only they knew CW. Hi.

-Ed L.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VF0.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Thu, 9 Oct 1997 16:46:24 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [28459] new kit, sour grapes
Message-ID: <199710092344.SAA17580@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

To all --

I have already privately apologized to Bob and thanked him for his letter concerning the new NorCal kit, but I realize that there must be others who are also offended, so I believe it necessary to do this publicly as well.

While it started as an amusing way to generate enthusiasm for the new kit, it went too far, and I am certainly guilty of taking it there. Unfortunately, the effect was to divide the group into those who 'knew' and those who 'didn't know', resulting in hurting those who 'didn't know'. As the father of a six year old who has had to intervene a few times when playful teasing went too far, I am embarrassed to admit that I am guilty of the same offense! Who was it who said that you never really grow up? Please accept my apology.

I also wish to publicly thank Bob Kellogg for stepping in. He said what was necessary without flames or character criticism. He sets a good example for maintaining civility in public discourse. I understand why he is so well respected in the circles he travels.

Sincerely,

Mike K1MG

P.S. -- While I'm in confessing mode, I should also apologize for unintentionally QRMing the fox a couple times yesterday. Would you believe I had a bad timing day?

Date: Thu, 09 Oct 1997 18:55:20
From: Bill Myers <bjmyers@arc.net>
To: jokortge@mci2000.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28460] Re: HB: Experiment on VXO Coverage
Message-ID: <3.0.1.16.19971009185520.3047aba4@mail.arc.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:01 PM 10/9/97 -0400, Jim Kortge, K8IQY wrote:

>I wish I had some way of scanning my schematics and
>results so that you could see them. I guess a good digital
>camera is my next purchase.

Jim, and anyone else who may have this desire.

I am willing to scan in items like this if you wish, I have a good flatbed scanner. Just send me an e-mail and I'll give you my address.

BEST PART, no cost except the postage.

72

Bill KK4KF

Date: Thu, 09 Oct 1997 17:05:03 -0700
From: Ed Loranger <we6w@qsl.net>
To: "Low Power Amateur Radio Discussion vole@primenet.com" <qrp-l@Lehigh.EDU>
Cc: we6w@qsl.net, k1oj@swbell.net, n2tnn@ifu.net, paul1@wizard.ucs.sfu.ca, cwfister@lightspeed.net
Subject: [28461] FOX: NEW TEAM:FOXTAIL PACKERS
Message-ID: <343D712F.8F5@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK. Sign-ups are closed. :(

Drum Roll... <tadadaddum>

Ladies and gentlemen, "Let's get ready to rrrrruuuuuumbble!"

Meet the Foxtail Packers:

Here are the hounds:

- 1) Ed Loranger, we6w Santa Rosa, California
- 2) 'OJ' Quarles, K10J; Houston, Texas
- 3) Dean Marzocca, N2TNN; SOMERSET, New Jersey
- 4) Paul Erickson, VE7CQK, Vancouver, BC Canada
- 5) John De Vere, W7SSM, BAKERSFIELD, California

'Ding'

Let the games begin!

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.

QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Thu, 09 Oct 1997 19:22:17

From: Bill Myers <bjmyers@arc.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [28462] Pixie2 Kit Source OUT OF STOCK!

Message-ID: <3.0.1.16.19971009192217.214714ca@mail.arc.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>HSC Electronic Supply

>3500 Ryder Street

>Santa Clara, CA 95051

>1-800-4-HALTED

Just called and tried to order a couple to play with.

They advised they are out of stock and expect to have them back in stock in 1 to 2 weeks.

Seems they have had a large number of orders lately.

Wonder why???

72

Bill KK4KF

Date: Thu, 09 Oct 1997 19:33:11
From: Bill Myers <bjmyers@arc.net>
To: we6w@qsl.net, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [28463] Does Your Dog know CW???
Message-ID: <3.0.1.16.19971009193311.21477174@mail.arc.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:24 PM 10/9/97 -0700, Ed Loranger wrote:

>My two dogs started acting up during the hunt too.
>Hmmm, if only they knew CW. Hi.

Ed...

Interesting about the dogs.

I have an 8 year old Dalmation that believes anything with fur, feathers, fins, and/or skin should be lunch.

I say squirrel and she's climbing the tree in the back yard heading for the squirrel nest.

I say snake and she's in my snake cages trying to get them out of their houses.

I say iguana and she tries to crawl into the iguana's cages.

I say FOX and she goes and lays in front of the radio bench under my stool that I sit on to work the fox hunts.

You nevvver know!!!

72

Bill KK4KF

Date: Thu, 9 Oct 1997 20:43:39 EDT
From: JFKluender <JFKluender@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [28464] FOX: Rude 'N9' station
Message-ID: <199710100044.UAA233979@nss2.CC.Lehigh.EDU>

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Friends,

If I was the "N9" station that someone threw a jab at recently for calling too often during Marty's run at being the fox, then I apologize for my poor operating. Let me put out a few explanations (not excuses) for last night...

(1) I have been inactive for nearly 6 years and confess I am not as "sharp" an op as I once was. I am trying to bring my speed and listening ability back up to snuff.

(2) I DID hear the fox 459, so I felt justified in calling him back; but others seem to have heard him better; so maybe I did jump on a couple of people

(3) Marty was consistently working stations who threw in their call late; perhaps I fell into some bad habits trying to work him by this strategy

In any case, I will try to do better down the log. Keep in mind, none of us out there are trying to work the fox at all costs - at least I hope not. Yes, I've been known to make operating mistakes at time, and for that I apologize. They are neither malicious nor intentional - just mistakes in the heat of battle.

I'll try to do better in the future and will accept polite CONSTRUCTIVE criticism if sent to me at JFKluender@aol.com.

Have fun, God Bless, & see ya in the next hunt...

Joel, NF9K

Date: Fri, 10 Oct 1997 00:46:24 GMT
From: n4js@amsat.org (John Sielke)
To: qrp-1@Lehigh.EDU
Subject: [28465] Re: QRP-15
Message-ID: <343e7ad3.12773710@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

=46or a 15M rig, I dn't think you can go wrong with an OHR 100 for 15. I see on their web page the new OHR100A is only for 40, 30 or 20. I was able to grab one of the last f the 15M OHR100's. I bet there are some available out there, though. Full 5W power, variable BW filter, good

receiver. I am READY for some sunspots!!

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN
http://www.qsl.net/n4js
NJ-QRP #57 QRP-L #884 QRP-ARCI AKQRP ARQrp =
#86
NE-QRP #507 G-QRP #9544 NorCal #1989 CQC CQRP QCWA FISTS #2781

Date: Thu, 9 Oct 1997 20:16:09 -0500
From: "Jerry E. Davis Jr." <jdkb5eko@flash.net>
To: <rbayha@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [28466] Re: Test "Bench" Equipment
Message-ID: <199710100117.UAA27850@endeavor.flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

i think this one is right up my ally also since a friend just give me a
heathkit 10-102 o-scope. dont know how to use it or anything. there is a
green dot that comes on the crt when i turn it on, that should be a good
sign. just finished my 15m ohr 100 and will be aligning it in a few days
with some help of course. if yall could also give me some info on some good
test equipment it would be greatly appreciated.

still wondering what 200k stands for on my ohmmeter

jerry e. davis jr.
kb5eko
jdkb5eko@flash.net

> From: Robert Bayha <rbayha@ix.netcom.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Re: Test "Bench" Equipment
> Date: Wednesday, October 08, 1997 2:33 PM
>
> John Bohnert wrote:
>
> > I recently wandered into the world of QRP. The relative simplicity of
> >

> > rigs in terms of parts count and construction renews my interest in
> > building and servicing my radio equipment...and learning about solid
> > state circuitry...not to mention avoiding 2000V circuitry! I am
> > interested in views on a minimal essential set of test equipment to
> > aid
> > in the construction, alignment and servicing of solid state QRP
> > equipment...e.g. the type of kit available from Wilderness, OHR, Small
> >
> > Wonders, etc.
> >
> > If you know the source of kits, parts, or information necessary for
> > the
> > assembly of a test bench I would appreciate learning about these
> > sources. I am not referring to "lab" grade equipment, but adequate for
> >
> > the "homebrewer."
> >
> > One specific question...does anyone have experience or a point of view
> >
> > with regard to the frequency counters available from S&S or OHR
> > (approximately \$70 for their kits) and their suitability as test
> > equipment.
> >
> > Enjoyed my first attempt at FOX Hunting on October 7, not successful,
> > but will try again tonite.
> >
> > N9KW John QRP-L #1257 (assigned October 7)
>
> I was just about to post the same question... John beat me to it....
> Particularly interested in type/bandwidth of o'scope... Will be at
> Pacificon in a week or so.... looking for test equipment.... What should
> I look for???? Thanks to all who respond...
>
> Bob, KF6HXS
>
>

Date: Thu, 9 Oct 1997 21:35:37 -0400
From: dzn1@juno.com (Howard D Rubin)
To: QRP-L@lehigh.edu
Subject: [28467] Doug DeMaw
Message-ID: <19971009.213539.25038.0.dzn1@juno.com>

Group,

I will include in our club's next newsletter a biography of Doug DeMaw as a tribute to his contributions to Amateur Radio.

I could also use a formal picture to feature on the cover. Can anyone point me to a site where one can be found? If anyone has a scan-worthy picture and would care to attach it (in compressed format, please) to a message to "n3fel@aol.com" I will be most appreciative of your effort.

Thanks and regards,

Howard Rubin, N3FEL
Penn Wireless Association
Bucks County, Pennsylvania
<http://www.pennwireless.org>

Date: Thu, 09 Oct 1997 18:14:47
From: Dan Hogan <dhhogan@lightside.com>
To: qrp-1@lehigh.edu
Subject: [28468] Re: CW FILTER
Message-ID: <3.0.1.16.19971009181447.2baf18a2@mail.lightside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Alan:

My vote goes to the Oak Hills Research SCAF it goes from 2440 to 108.

Dan Hogan WA6PBY
dhhogan@lightside.com

Date: Thu, 9 Oct 1997 22:27:31 EST
From: Chris McCormack <mccormac@ma.ultranet.com>
To: qrp-1@Lehigh.EDU
Subject: [28469] FM Transmitter Kits
Message-ID: <199710100229.WAA11921@elektra.ultra.net>

Not exactly amateur radio, but it does involve low power kit building ...

My father-in-law has been having trouble hearing his television set from across the room. I'm thinking of building one of the small stereo FM transmitters to hook up to the TV outputs. That way he can

use an FM radio as a remote speaker.

A quick look uncovered three potential kits:

1 - Ramsey FM-10A (\$34.95) I realize the company doesn't have the most stellar reputation on this list, but it does seem to be a standard for people rigging personal broadcast stations. They also offer a case set (\$14.95) and an AC adapter (\$9.95).

<http://www.ramseyelectronics.com/prod01.htm>

2 - Ten Tronix FM Stereo Transmitter Kit (\$34.95) Seems similar to the Ramsey kit, but brags about having NPO capacitors for stability. (Tentronix is in Coeur D'Alene, ID)

<http://www.nidlink.com/~fjtenthy/>

3 - Cana-Kit TV Sound Transmitter with Stereo Inputs (CA \$19.95) Lowest price option, but I've never heard of the company (but their web site has a lot of neat stuff).

<http://www.wirtest.com/html/cirt2017.htm>

Any comments or suggestions would be greatly appreciated.

Chris McCormack
mccormac@ma.ultranet.com

Date: Thu, 9 Oct 97 07:19:49 UT
From: "chuck munce" <k0gjx@classic.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [28470] RE: Performance of Big \$\$\$\$ Rigs and Simple QRP Rigs (Long and Opinionated)
Message-ID: <UPMAIL05.199710100223010742@classic.msn.com>

Duffy

Excellent artical. But one or two points , D.C. LIKE THE HEATH HW 7 AND 8 AND SINGLE CONVERSION LIKE MY MFJ 9020/9040 both i have or have had. The problem with both is more than 1 khz per turn for main tuning. In a crowded band, me with my ts690 and you with your ts850 we can go to the fine position and really seperate the stations easily and mark them with menory if we want to or use other vfo. The hw 7 and 8 you have to be on the right side band to work a station this is a big problem in crowded band condx.I am sure other qrp rigs also share some or both of these problem's.

Again if you have two equally qualified ops, I think the one with the non qrp rig would have the advantage. For general use i have worked lots of dx with all these rig's in contests they tend to fall apart. thank you and 73 chuck
BTW # 12 fine tuning

From: owner-qrp-l@Lehigh.EDU on behalf of James R. Duffey
Sent: Thursday, October 09, 1997 14:42
To: Low Power Amateur Radio Discussion
Subject: Performance of Big \$\$\$\$ Rigs and Simple QRP Rigs (Long and Opinionated)

I read with some interest the thread about allowing the big bucks Bells and Whistles rigs to compete with the QRP rigs in QRP contests. I am particularly interested by comments to the effect that those who use the bells and whistles rigs are at some great advantage and should not be allowed to compete with ""pure QRP" rigs such as the NC40, OHR100, SWLs and so forth.

Note - I use a Kenwood TS850SAT as my primary QRP rig so you should exercise some caution in evaluating my comments.

I think that the basic performance of a bells and whistles rig is an advantage, but only if the operator is experienced enough to use it. The electrical advantage is probably not nearly as great as one would think.

For my talk at Ft. Tuthill last summer I did some performance comparison of simple receivers used for QRP. I also did some musing on why the performance of inexpensive simple QRP receivers plays so well against that of commercial rigs.

Many people who listen to the simple receivers used in QRP rigs are amazed by their performance on CW and usually compare them favorably to their commercial rig. Given the relatively great cost differential I find this somewhat amazing. After some consideration I conclude that this is due to several issues;

1. Better RF front end filtering. Most QRP receivers have two stage bandpass filters in addition to a low pass filter, offering very good out of band rejection of unwanted signals. Many commercial rigs use only half octave low pass filters, or bandpass filters only on critical bands such as 40M. This wide input bandpass can degrade the receiver's 2nd order intermodulation performance.

2. The IF filtering is usually narrow. Most commercial rigs are sold without CW filters, while most simple rigs have good narrow IF filtering. When supplied the commercial CW filters can have poor shape factor and high insertion loss. There are second order effects here as well, many

commercial rigs use filters that have substantial loss and do not compensate for this in the IF gain which is usually set up for SSB. Filter blowby can be an issue as well, as is proper filter termination, all of which are usually handled better in QRP receivers.

3. Most simple QRP receivers use multipole narrow audio filtering to supplement the IF filtering. In commercial rigs the audio filtering is often set up for SSB or missing altogether.

4. The simple rigs handle AGC better. In simple QRP rigs it is either missing (best), can be turned off, or has time constants tailored explicitly for CW.

5. The gain is better partitioned between stages in simple QRP receivers. High gain is usually accompanied by narrow selectivity, as it should be. This can be a problem in commercial rigs where the first stage usually has a wide bandwidth to accommodate FM and a reasonable amount of gain to get low noise on 10M. Well designed QRP rigs accommodate the shortfalls of the components better than do commercial rigs. Examples include the use of a potentiometer at the input to limit signal levels in the SWL series, and the use of a post filter to the MC1350 IF to reduce wide band noise generated in the IF in the Sierra.

6. Low noise oscillators are usually used in simple QRP receivers rather than the synthesized oscillators and their often high phase noise used in commercial DC to Daylight rigs. This improves weak signal reception in the presence of strong signals.

7. The audio stages of simple QRP rigs are often based on low noise "audiophile" quality devices such as the NE5532, OP275 or LMC662. The audio stages of commercial rigs in comparison often are noisy and accompanied by relatively high distortion. If the LM386 output stage is rolled off to get rid of the hiss a low noise low distortion audio stage for headphone CW is easily realized in simple rigs.

Despite the low intercept point of the 602, the performance of simple QRP rigs based on the NE602/(MC1350)/NE602 chip set is surprisingly good. Using two tone dynamic range, blocking dynamic range and sensitivity as criteria, they meet the DeMaw/Hayward criteria for casual operating and approach the criteria for DXing/Contesting. They equal the performance of many rigs built in the early 80s, and far surpass the performance of the rigs that made Kenwood and Yaesu commonplace in Hamdom; the FT101 and TS520.

The QRP rigs with diode ring mixers in the front end and good low noise oscillators, such as the Hands rig and some OHR models, meet the DeMaw/Hayward criteria for DXing/Contesting, and can hold their own for CW use against many contemporary commercial rigs.

There are classic receivers that perform well against even today's best receivers; the Collins R390A, 75A4 and 75S receivers, the Drake R4 series, and National HROs are among the best commercial ham receivers ever made. These are tube models; as manufacturers straightened out solid state design in the early 80s such newer classic performers were produced to include the Kenwood TS930, Icom 730 and 735, and Ten Tec Corsair. Several manufacturers in the early to mid 90s produced rigs with excellent receivers, arguably some of the best performing ever made for Ham use, including the Kenwood TS850s, the Icom 765, the Ten Tec Omni VI, and the Yaesu FT1000(and its variants). The recent infatuation of Ham manufacturers with DSP has resulted in a new crop of rigs that tend to skimp on the IF filtering with the hopes that filtering can be made up by the DSP at a lower IF frequency (it can't without compromising strong signal performance). For CW digital signal processing does not appear to be a significant advantage over switched capacitor filtering where band pass and low pass filters with 12 or 16 poles can be made easily from a couple of chips for \$10-\$20.

I have toyed with an idea for a high performance low cost QRP transceiver for home use that unfortunately has not gone past the conceptual stage. Perhaps someone on the list can implement it before I can. Both the 75S series and R4 receivers had local oscillator outputs on the back. It would be straightforward to take this output and mix it with the proper crystal(s), perhaps with a 602, buffer the output and use it to drive a final to 5 W or so. Add some simple TR switching and you have a CW transceiver with a high quality receiver. The early 75S receivers and R4s go for \$200 to \$300 or less when found at hamfests, so this should be a relatively inexpensive project.

On to Bells and Whistles. In an exercise to determine which features I would want in a QRP transceiver I have tracked my use of the bells and whistles when I use my TS850SAT. This is an useful exercise that I recommend to anyone. I use the following all the time and would be lost without them;

1. Built in keyer with memory (although I wish it were easier to switch between a keyer and straight key)
2. Adjustable bandwidth (the independent low and high cuts are useful, though not essential)
3. An AGC off position
4. Automatic antenna tuner (although it should be in line for receive)
5. Built in SWR meter
6. RIT and XIT (I use both. They are very useful for Fox Hunts. There are good reasons why X is used to abbreviate Transmit rather than T)
7. Dual VFOs
8. Scratch pad memory (this is particularly useful during contests and Fox hunts)
9. Noise blanker (better on some bands and types of noise than on others)

10. Variable front end gain (AIP or RF attenuator)
11. Scanning memories (useful for finding satellite activity)

With the exception of 8 and 11 all of these can and have been implemented in simple QRP rigs. In some cases, such as 1 and 4 they probably can be implemented better than in my 850. The resulting rig is probably not simple, but then that is the trade one makes. It can all be implemented in a straight forward manner.

Well I am not sure where all this rambling has taken us, but I have tried to make the point that the big rigs with all the bells and whistles do not have that much advantage over the simpler rigs. There are contests that give bonus points for homebrew and kit rigs. That is the way it should be, but the users of simple rigs are not necessarily at a disadvantage in the Fox Hunt.

Thanks for taking the time to read this far. I hope it has not been a waste of your time. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 09 Oct 1997 20:48:51 -0500
From: "STUART B.D.HUNT" <stuart001@ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [28471] Extra Equiplent
Message-ID: <343D7F04.2BEB@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have some stuff languishing from lack of use...all v.g. condition.
Need the space for QRP
PRO-2006 scanner w. vert. ant. 25-520Mhz; 760-869(no gaps); 896-1300
Mhz; AM,WFM, NFM \$300
Sony 2010 perhaps the best swl portable made. AM,FM, USB,LSB,memories,
digital read-out, knob tune. With wall power module and Vert. whip(or
external) \$ 250

MFJ 9020 QRP cw with internal keyer! \$125
Add \$5 shipping each.
Stu KB9NAE QRP-1 1222
stuart001@ameritech.net

Date: Fri, 10 Oct 1997 02:12:20 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [28472] 38S Question
Message-ID: <19971010021218.AAA9807@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have just completed my 38S. I seem to remember some messages in the beginning of the project concerning damage caused by transmitting into an antenna that is not resonant or properly tuned. This is no Problem on the shack, but in the field with what ever kind of antenna I can manage it may be more of a problem. Can someone fill me in on the problem and just how much trouble it could turn out to be.

(o o)
-----o00_()_00o-----
73 es TNX Advanced, W5YI/ARRL VE
KE4QOK KE4QOK@worldnet.att.net
Bob ke4qok@juno.com

136 Hermitage Road When the student is ready.....
Newport News, VA 23606 The teacher will appear.
(757)930-0348

Date: Thu, 9 Oct 1997 23:06:07 EDT
From: LynnSimons <LynnSimons@aol.com>
To: psykey@okcforum.org, qrp-1@lehigh.edu
Subject: [28473] Re: sw listening
Message-ID: <199710100307.XAA126976@nss2.CC.Lehigh.EDU>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 97-10-09 15:17:34 EDT, psykey@okcforum.org writes:

<< Me, me, me!" ...but then, I remembered that my start

was actually as a medium-wave BC listener. >>
Jim,

I want to yell...me too!!....me too!!! Reading your story brought back many old memories for me too. Thought I would jot some of them down for the list. I first became interested in radio when in the 5th grade. I fell asleep one night with a little pocket transistor radio on listening to a local AM station. I was living in WV where I was born and raised. Sometime in the middle of the night I awoke and noticed the radio station I was listening to was WSB in Atlanta, GA. Imagine my surprise! I thought there was something wrong.

The next morning I asked my dad about that phenomenon. He was an old ex-navy morse operator. He gave me a pretty good explanation on the physics of why I could hear Atlanta all the way up in WV. This just so intrigued me I immediately set out to see what other stations I could pick up. I began keeping a log of all AM stations I heard. Still do this to this day!

By experimenting with the little transistor radio I found that by taking the back off and placing a piece of wire on my finger and then running my finger up and down the ferrite core built-in antenna of the radio I could pick up shortwave radio stations. Another whole new world was opened up to me then. Seems all I was doing was detuning the radio by changing the inductance of the tuned circuit that comprised the antenna and this changed the frequency the radio received!

Well, we didn't have much money back then so I stuck with this makeshift SW radio for quite a while. I eventually found a regenerative shortwave kit made by Science Fair and sold by Radio Shack. I built this and ended up making a few improvements in the thing to give it better performance. On this radio I started to hear actual people talking to one and another. Another trip to Dad and I found out about hams, even though my dad was not a ham.

So now I knew I wanted to be a ham too. Would listen every night to hams many nights way into the wee hours of the morn. I lived in a small town in WV with only one other ham. I finagled a visit to his "shack" and was just amazed! He had some really old "boat anchors". I asked him what I needed to do to get a ham license and afterward ran home and made my plans.

Got my novice ticket at age 14, in 1972 and have eventually worked my way up the ladder to extra.

Sorry about this long post, but this just brought back so many memories. I took a quick ride down memory lane.

73/72,

Lynn, KJ3V

"I only have a few watts, but I use them wisely!"

Date: Thu, 9 Oct 1997 22:50:27 -0400
From: Dan Dobson <ddobson@iei.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28474] RE: QRP flashlights!
Message-ID: <01BCD505.F74B6F00@dip27.nas1.iei.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi folks,

I have had a Photon Microlight on my keychain for over a year now. It =
really is a slick little light that has come in handy countless times. =
I bought mine from a company/exhibitor at a past hamfest. The local =
distributer is :

Electronic Rainbow Inc. (based here in Indianapolis)
6227 Coffman Road
Indianapolis, IN 46268
317-291-7262 =20
www.rainbowkits.com
=20

The light I have was \$10.00 a year ago.....This little gizmo is pretty =
neat!

Dan KG9KF Question: When will the Colts win?

From: Jim W7LS[SMTP:w7ls@brigadoon.com]
Sent: Thursday, October 09, 1997 12:19 PM
To: Low Power Amateur Radio Discussion
Subject: QRP flashlights!

Hi, gang.

I stumbled onto a real QRP flashlight the other day. It is =
called
the Photon Microlight. They come in red, green, blue, yellow, and get =
this;
WHITE!

They are all LED based, with a coin cell (Lithium 2036 cell). =
You

can pinch them between your pointer finger and your thumb and hide them. =
Cool.

The back of the package says the life of the cell is..... 124
HOURS.... That's key-down, folks. I'll hit retirement age before I have =
to
replace the 98 cent battery. The LED is guaranteed for life.

Is it bright? You bet. I took a walk in pitch black night woods =
and
you can easily see to walk around and it's almost too bright to fiddle =
with
radios in the dark.

Only place I have found these is at a vendor's booth at a local =
gun
show in Puyallup. The guy is from Oregon, where they are made. Name is
Darrell Schenk. Anyone see them anywhere else? I asked if I could get
another one by mail and he said yes.=20

If anyone is interested, I can provide address and phone.

I am not related, nor do I profit from this, in any way. Just a =
satisfied
customer that found something that might bennefit the group.

73 de Jim, W7LS

Date: Thu, 09 Oct 1997 21:53:53 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: k0gjx@classic.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28475] Re: Performance of Big \$\$\$\$ Rigs and Simple QRP Rigs (Long and
Opinionated)
Message-ID: <343DB4E4.50A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

chuck munce wrote:

D.C. LIKE THE HEATH HW 7 AND 8 AND
> SINGLE CONVERSION LIKE MY MFJ 9020/9040 both i have or have had. The problem
> with both is more than 1 khz per turn for main tuning. In a crowded band, me
> with my ts690 and you with your ts850 we can go to the fine position and
> really seperate the stations easily and mark them with menory if we want to or
> use other vfo. The hw 7 and 8 you have to be on the right side band to work a

> station this is a big problem in crowded band condx.I am sure other qrp rigs
> also share some or both of these problem's.
>

I am not sure of the point of all this. Using this line of reasoning,
the Sierra or the OHR 400 now have an "unfair advantage" over an HW 7.
Maybe we should all go back to crystal sets. Where do you draw the
line?

By the way, Jim, I caught your presentation at Ft. Tuthill, and I really
enjoyed it, and your recent musings here. Good stuff.

Cheers, Ken, N6TZV

Date: Fri, 10 Oct 1997 00:22:13 -0400
From: "Daniel L. Evans" <dlevans@hsonline.net>
To: qrp-1@Lehigh.EDU
Subject: [28476] Re: sw listening
Message-ID: <3.0.1.16.19971010002213.2affaea4@mail.hsonline.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>YMMV (Your mileage may vary). Wonder how many other hams got their
>start as SWLers?
>
>Cheers de AB7TT,

I could be counted in that group!

Dan, N9RLA
Dan L. Evans [N9RLA]
dlevans@hsonline.net

Date: Thu, 9 Oct 1997 22:37:33 -0700 (PDT)
From: Jim W7LS <w7ls@brigadoon.com>
To: qrp-1@Lehigh.EDU
Subject: [28477] QRP flashlights (here's the source)
Message-ID: <199710100537.WAA00991@k2.brigadoon.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow! Another fad!

Got lots of inquiries on the QRP flashlights. Tried to individually reply but fingers wore out and fell off (what a sight...).

Here's how to get ahold of the guy. I got one of his cards, zat's how I know this stuff...

Darrell's Airguns and Accessories
4735 NE 105th
Portland, OR 97220

voice 503-253-6087
fax 503-253-9390

I called him and got his phone machine. I think he works at some day job somewhere and does the fleamarkets on weekends. I'd guess evenings are best (Pacific Time).

Oh, prices..... Don't quote me, but I think most of the colors are \$8.95 but blue, green, and white, which are \$12.95. I thought it was a bit steep, until I got one and found out how neat they are. I'm getting another one.

He told me he has had the same one in his pocket for 2 years, on the original battery. Uses it all the time. Even went through the wash.

I think how the dang things work so well is the fact that LEDs are almost 100% efficient, where incandescent lights are really bad. What, 10% or something like that? Anybody know?

QRP flashlights. Who'd a thunk?

73 de Jim, W7LS (no relation or connection with the flashlight dude. Just a happy customer)

Date: Fri, 10 Oct 1997 12:42:08 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [28478] Re: sw listening
Message-ID: <343db221.pandora@pandora.lugs.org.sg>

Hi,

This talk about sw listening is sure getting nostalgic for me. I remember the first radio that I actually built successfully (not kit) was a simple BC receiver based on the ZN414 TRF radio on a chip. Before that I had tried all kinds of kits but this one I remember. That was a long ways back before while I still dreaded using the soldering iron. It was also a time when every little part was so precious, unlike now! when I have boxes of components on standby.

I was under the impression that these parts are so sensitive to heat and static that I hardly dared to touch them. The part was very expensive for me, still a grade school student then, and I could not afford to destroy it. The circuit was taken from a magazine my dad bought be called "Everyday Electronics". Those were the days. I'd read the magazines from cover to cover and just pore over the details until I could bear it no longer. Finally when I did get the kit together and powered up, nada, nothing, not a peep.

It turned out, after a long distressing period, that the TBA820 amplifier was not working correctly as a result of a wrong resistor. The colors were right but it must have been misprinted. Since I could not afford to buy any more parts (not even a resistor!), I carefully filed a gap in the resistor, thereby increasing the resistance. The next time I powered up, there was this familiar crackling sound and noise that I used to hear in working radios. I was estatic.

I tuned it, and heard the stations. Wow! It was a feeling that's hard to describe. Parts were so hard to come by back where I used to live, and some parts were scrounged out of old equipment. What added to the joy was that I was really quite pessimistic about getting the radio going, I mean, a RADIO, and I was just a kid. Nah!

I remember, hardly getting any sleep that night. Listening to that radio. Nothing sounded ever so clear and beautiful. I had the radio installed under my bed, ferrite rod and all :-)) Where else.

Just thinking about it brings back warm memories about when I got into electronics. Never regretted it. Over here they have discontinued AM radio services or I would not mind building a replica, just for old times sake. I did that first radio on a little piece of matrix board. It was those times that really caught my heart. I must say that I am still amazed by the "magic" of radio.

Yeah

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org                   |
+-----+-----+
```

Date: Fri, 10 Oct 1997 04:14:01 -0800

From: wpc@west.net (John Roblin)
To: qrp-l@Lehigh.EDU
Subject: [28479] RE: QRP Light/Lithium Battery?
Message-ID: <v01530501b063c8ad3b7d@[205.254.241.28]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>They are all LED based, with a coin cell (Lithium 2036 cell). You
>can pinch them between your pointer finger and your thumb and hide them. Cool.
> The back of the package says the life of the cell is..... 124
>HOURS.... That's key-down, folks.

I am very curious about Lithium 2036 batteries. I cannot seem to find them, at least in the Radio Shack, Mouser, or Allied catalogs, all of which have a large selection of batteries. Assuming the Photon Microlite draws 20 mA, which is typical for LED's, especially bright ones, it seems that this 2036 Lithium battery would have a whopping 2480 mAH capacity! Seems way too high for a small coin cell lithium battery.

So, does anyone have info on this battery?? Are you sure 2036 is the correct number?

Tnx/72, John WA6KY0
Ventura, CA

Date: Fri, 10 Oct 1997 07:38:02 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-l@Lehigh.EDU
Subject: [28480] re: sw listening
Message-ID: <1.5.4.32.19971010113802.00d5ddc4@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Hi Dean,
On Oct 7 you said...
> Hi all,
>Does anyone have an opinion on sw radios? I have been thinking of getting
>one and I always see the ads for Grundig, especially the Yacht Boy 400. I
>know you can't go by the ads in the magazines but this one sounds to be very
>popular.
>Comments and suggestions welcome.

>72/73 de Dean N2TNN NJ

>n2tnn@ifu.net

Well Dean, if you want an opinion then just ask for it, right? (You do know what they say about opinions, don't you?)

You didn't say what kind of shortwave listening you are interested in, and that will dictate what kind of radio you should consider. For AM broadcast stations you'll be more interested in higher fidelity and synchronous tuning, and for utility/amateur radio stations you'll want tighter filters and probably, sideband selection.

I own a Sony ICF-2001 (circa 1982-the first synthesized portable), a Sony ICF-2010 - probably the most revered shortwave portable ever made (alright, backoff you Zenith Transoceanic owners), and a Sony ICF7600G, which, I have read, is currently the best selling quality shortwave portable. I also have had the opportunity to use many others.

The 2001 is showing its age and works intermittently. The 2010 is a *great* radio, but like the 2001, is too much of a "brick" to carry around conveniently so its relegated pretty much to the nightstand, especially since I got the 7600G. (The "G" is very important as it is significantly better than its predecessors.)

The YB-400 has a good reputation and sells like crazy. It's plus's are adequate number of memories, flexible timers and memory management, selectable filter bandwidth, and good fidelity for a relatively small radio. On the negative side it doesn't have synchronous tuning or individual sideband selection.

The Sony ICF7600G, a comparable radio but smaller than the YB-400, has selectable LSB/USB and synchronous tuning and *verrry* good sensitivity for a small portable. While it does not have multiple IF filter bandwidths and the fidelity is not as quite as good as the YB-400, it does have an audio filter switch, but with fewer memories. This radio goes everywhere with me and serves as my alarm clock as well as entertainment.

My shortwave listening interests are mainly focused on utility listening such as military (primarily Coast Guard air/sea rescue), and government services such as FEMA, NOAA, etc. For this the 7600G is the hands down winner. The fixed bandwidth, while a compromise, has never been a problem for me.

However, if my interests were more toward broadcast listening, the decision would not be easy between these two. Although I think the synchronous detection feature of the Sony would sway me in that direction. It's pretty amazing. Plus I know just how high quality the 7600G and 2010 are.

By the way, I just received a Sangean 909 with plans to replace the 2001 (my

office radio), but it's going back today. It has gotten good reviews and has a lot of great features but the shortwave sensitivity on the one I got is just not up to the job. I guess I'll go back to Sony, I'm just not sure which model.

The two best places I have found for prices is EEB in Virginia and Universal Radio in Ohio. I bought the 909 at Universal for 249.00, the best price I've seen yet, and noticed that they had the 7600G and the YB-400 for 169.00, also a good price. Be aware though, that neither comes with an AC adapter, it's an extra cost item.

Good luck with your decision and best 72,73.

Rick KI4PZ

Date: Fri, 10 Oct 1997 07:54:29 -0400 (EDT)
From: Martin Squicciarini <skitch@resuba.com>
To: qrp <qrp-1@Lehigh.EDU>
Subject: [28481] FOX - Quick review
Message-ID: <Pine.LNX.3.91.971010073141.32395A-100000@resuba.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry not to get this posted sooner but after a great time as the fox Wed. night I was so excited that I could not get to sleep until almost 1 AM EST and then I woke up at 6 for work. This work thing gets in the way at times. Let me give you my reflections on the fox hunt.

1. I need to improve my CW skills some more. This is the first time I have every been on the receiving end of a large pileup and I have a lot of respect for the guys that do it for days on end.

2. As far as operating here is what I tried to do. I did not want to work split but I did use my RIT to go up and DOWN about 600 Hz (some times it better to call below). I tried to keep my filter set at 300Hz. I felt this was a good compromise between hearing too many signals and not hearing any.

3. Someone mentioned I waited and picked up the late callers. I didnt do that intentionally it just happened that way.

4. I'm glad that everyone could follow me when I had to QSY. I learned that a station 30db over S9 300 Hz away is a little too much for my filters to handle. I think I will get that 180 Hz IF filter (this is a hint as to what kind of rig I was using).

5. My and is a Delta Loop Vertical (maybe a little slope but not much). The loop is 3/4 on 80 meters and 1/8 of twin lead to a 1:1 balun. I used an AEA SWR computer when I put the ant up. What a great way to

set up an ant. No running to the shack to check one frequency at a time. Finally, the rig was a Kenwood TS 570D.

I will post the results later today or tomorrow. I have to transcribe my chicken scratch ;-)

72/73

Marty Squicciarini NR3Z
skitch@resuba.com (home)

Date: Fri, 10 Oct 1997 08:26:00 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [28482] 15 meter radios
Message-ID: <19971009.192300.4383.7.n4so@juno.com>

15 meter rigs are also sold by NN1G.

Dave Benson NN1G
SMALL WONDER LABS
80 E. ROBBINS AVE.
NEWINGTON, CT 06111
bensondj@aol.com
tel 860-667-3536
Green Mountain 20 kit \$75 (40,30,20, or 15 meters)
The GM30 for 30 meters is reviewed in 73 Magazine of October 1997. Some good info on 3 pages.
SW160 the 160 meter version
nnnn

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Fri, 10 Oct 1997 09:06:15 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <ARDUJENSKI@aol.com>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [28483] Re: CW FILTER
Message-ID: <199710101303.JAA119520@pimout1-int.prodigy.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Alan,

I have the Oak Hills SCAF (first model, newer one available now) and it's great. The only problem I see is when a REALLY strong sig is nearby, I may still hear that station regardless. But the filter can really cut out alot of QRM and crud. Excellent for QRP contests where everyone is packed within 7 KHz.

There is a ham in MD I believe, and I can't think of his call or name at the moment. He makes a passive audio filter for a very reasonable price, around \$20. I believe his circuit is in the ARRL Handbook.

The Oak Hills kit I believe is Sam Ulbing N4UAU's design, that was described in QST a few years back. I bought the SMALL amp from Sam, and want to buy another one of his designs that was also in QST during the summer.

Naturally, the SMALL audio amp is quite small, suface mount stuff. I have to ask my friend Elmar KB2VTN to help out with the soldering of that one! I saw the parts, and had to laugh. I need a tutorial on soldering the suface mount stuff.

He also sent me info on other items he's developed; Uncle Sam Keyer, for example.

GL

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Fri, 10 Oct 1997 09:06:32 -0400
From: Randy Hargenrader <randyh@harksystems.com>
To: qrp-1@Lehigh.EDU
Subject: [28484] Re: New Kit, Sour Grapes
Message-ID: <343E2858.6915@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My prediction: The kit is either an Antenna Analyzer or an audio/DSP filter.

Do I have to pick *one*?

Might be a good time to start a "pool". The winner gets a copy of the new kit!

--

73, Randy WJ4P

Knightlites QRP-L #296

Date: Fri, 10 Oct 1997 09:08:33 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: wpc@west.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28485] Re: QRP Light/Lithium Battery?
Message-ID: <343E28D1.501E@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Roblin wrote:

> Assuming the Photon Microlite draws
> 20 mA, which is typical for LED's, especially bright ones, it seems that
> this 2036 Lithium battery would have a whopping 2480 mAH capacity!

I'm sure the battery does not have a 2.5 AH rating. The LED must only draw 3 or 4 mA. There are some very bright LED's that are also very efficient.

--

If it's tourist season, why can't we shoot them?

Date: Fri, 10 Oct 1997 08:23:05 -0500
From: "Jerry Williamson" <jwilliam@nothnbut.net>
To: <qrp-l@Lehigh.EDU>
Message-ID: <01bcd57f\$a463d460\$1ab1d9c7@jwilliam.nothnbut.net>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="----=_NextPart_000_006B_01BCD555.BB8DCC60"

This is a multi-part message in MIME format.

-----=_NextPart_000_006B_01BCD555.BB8DCC60

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

SET QRP-L PASSWORD 876489520 jeremiah

-----=_NextPart_000_006B_01BCD555.BB8DCC60
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#c0c0c0>
<DIV>SET QRP-L PASSWORD 876489520 jeremiah </DIV>
<DIV><FONT color=3D#000000 =
size=3D2>
 </DIV></BODY></HTML>

-----=_NextPart_000_006B_01BCD555.BB8DCC60--

Date: Fri, 10 Oct 1997 09:34:08 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [28487] Lithium battery capacity
Message-ID: <Pine.LNX.3.95.971010092823.31609A-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gee, it's good to have a DigiKey catalog handy.

BR-type batteries provide a more stable voltage particularly during the last half of discharge.

In storage, BRs perform better at high temp.

CRs provide a higher initial voltage.

Organic solvents are used (-40 to +85 Celsius operation).

Capacity:	BR-2016	100 mAh	
for	CR-2025	150 mAh	
some	CR-2032	220 mAh	(0.78" dia x0.13")
popular	CR-2354	560 mAh	(0.91" dia x0.21")
ones	CR-2477	1.0 Ah	(0.97" dia x0.30")

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 80 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Fri, 10 Oct 1997 10:12:04 -0400
From: Paul Cereste <cereste@myapc.com>
To: qrp-l@Lehigh.EDU
Subject: [28488] RUFZ
Message-ID: <s43dffd8.017@myapc.com>

I tried the RUFZ cw practice
program that was mentioned on
the list a few days ago. I
like it!

Date: Fri, 10 Oct 1997 10:45:28 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@Lehigh.EDU
Subject: [28489] Photon Microlights
Message-ID: <8525652C.00508049.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Hi guys and gals. Our mail server went down last nite and I've lost a good
bit of mail -- probably all that was sent out after around 5pm yesterday
(Thur) till sometime this morning.

I did see some notes referencing Photon Microlights from Rainbow Kits, the
keychain-LED mini-flashlight. Another source is Hosfelt Electronics. These

are the same units I mentioned in a post a month or so ago. They also had the batteries.

Someone may have already passed this on again, but I have no way of knowing. Sorry if it is a repeat.

There may be other sources folks can pass along too.

Thanks. Watson/WB4EXW

Date: Fri, 10 Oct 1997 08:37:19 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Bill Myers <bjmyers@arc.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28490] Re: Does Your Dog know CW???
Message-ID: <Pine.SOL.3.91.971010082744.14372A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 9 Oct 1997, Bill Myers wrote:

>> At 04:24 PM 10/9/97 -0700, Ed Loranger wrote:
>>
>>>My two dogs started acting up during the hunt too.
>>>Hmmm, if only they knew CW. Hi.
>>
>> Ed...
>>
>> I say FOX and she goes and lays in front of the radio bench under my stool
>> that I sit on to work the fox hunts.
>>
>> 72
>> Bill KK4KF

My dog is an English Springer Spaniel. Loyal old mutt. His name is "dit dit" and responds to that name in a heartbeat. My wife just can't bring herself to yelling out "dit dit" (doesn't bother me), so she finally renamed him "Bailey" ... but he's "dit dit" to everyone else who knows him. He's got one CW character down. Maybe I should start teaching him the Q signals next ... hmmm. But dit dit has been a good companion on field days, QRP Afields, FYBO's, BUBBA's and star party's.

72, Paul NA5N

Date: Fri, 10 Oct 1997 10:19:15 -0500
From: "Junius B. Fox" <w5hir@mail.phoenix.net>
To: qrp-1@Lehigh.EDU
Subject: [28491] RUFZ
Message-ID: <3.0.1.32.19971010101915.00dedf94@mail.phoenix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Am intersted in the RUFZ codepractice program.. where can it be had???

Foxy
w5hir@mail.phoenix.net

"success is recognizing a dead horse and burying it with the least ceremony"

Date: Fri, 10 Oct 1997 10:21:33 -0500
From: tahrens1@juno.com (Timothy H Ahrens)
To: qrp-1@Lehigh.EDU
Subject: [28492] SPLIT/NO SPLIT Polls In
Message-ID: <19971010.102134.10934.0.tahrens1@juno.com>

Hi Folks - well, it's Friday, and the polls have closed!

With a little over 2% of the qrp-1 members voting, the following information is presented for your enjoyment.

For using Split: 17

Against using Split: 24

We've had a lot of good discussion about tactics, practices, and methods to snag the fox. Good luck in the hunt!

cuall

Tim W5FN

ps: look for me next Thursday as your virtual Fox!
(I'll probably sniff around the edges)

Date: Fri, 10 Oct 1997 16:10:00 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [28493] SS 1997 Warning
Message-ID: <199710101510.QAA03497@chuck.dallas.sgi.com>

For those of you new to the group since last November
bear with us on this.....

I'm sure that everyone that is going to do CW SS '97 has
already gotten everything ready. :-) It's not that far away.

I just got in the mail yesterday CT9.31 ordered from K1EA's
home page via CQ Contest web page..... Loaded onto the
system. Gotta check this weekend with some quick practice
to make sure all the sections are in there. Sure hope to
work them all. If you are gonna do SS and get more than
a couple hundred contacts you gotta use software. The
only way to fly and keep from wearing yourself out worrying
about score, rates, multipliers, dups, etc. You won't
hear us getting DUP or B4 sent back on attempted Qs. :-)
Also, within five minutes of finishing the contest you
can get a summary and email into the ARRL and be done.

SS - ARRL Sweepstakes. Nov 1-3 1997. See latest QST or
go to <http://www.arrl.org/> and follow the contest link.

Dr. Jack Bryant, W5TFB, and Dr. Chuck Adams, K5F0, once
again are forming the SS CW TX Tag Team. Last year this
same team took home two homemade jars of Raspberry Jam
for having the highest combined scores for last years
challenge. And BTW the jam was delicious and muchly
appreciated by both members of the team.

So for teams consisting of two members, both members in
the same or adjacent ARRL sections, and running Q power
class, let Jack and Chuck know. We'll put up two cans

large cans of TX Jalepenos, your choice of mild or hot.
:-) ;-) Now remember that Jack has a lot of wire up
high in the country with no line noise and I'll be
borrowing a pile of aluminum at 115', 100', and 85'
levels. WILL CONTEST FOR FOOD Club is now in session.

Our scores from last year you ask?

W5TFB	72,840	score	520	Qs	71	sects	5	watts out	23.5	hrs
K5FO	65,850		439		75			4.5		22.0

W5TFB averaged 22 Qs/hr and K5FO averaged 20 Qs/hr. Can you
guess who spent too much time looking for sections? I knew you
could. Not this year, work 'em all and worry later. If we
keep using the same setups for a couple of more years we might
have some interesting data on beams (K5FO) vs wire antenna
loops (W5TFB) for stateside contests. Sometimes you may
not want low angles of radiation.

The gate is now open. This challenge not recommended for
beginners, i.e. individuals who have never worked CW SS,
but do work the contest and let us know.

Remember to spend the \$50 and sponsor a SS QRP plaque either
CW or PHONE SS '97..... Let's show the ARRL that we
do care for our own.

Jack Bryant W5TFB Jack.Bryant@math.tamu.edu
Chuck Adams K5FO adams@sgi.com

gl n tst
Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Fri, 10 Oct 1997 16:36:32 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [28494] FOX SCHEDULE V1.2
Message-ID: <199710101536.QAA03612@chuck.dallas.sgi.com>

October 10, 1997. Version 1.2

WEEK	CALL	DATE	TIME (UTC)	CALL	DATE	TIME (UTC)
------	------	------	------------	------	------	------------

1	NM	K50I	Oct	1	0200-0400	WI	AE9K	Oct	3	0000-0200
2	OH	N8VAR	Oct	8	0000-0200	PA	NR3Z	Oct	9	0200-0400
3	AZ	W7QQQ	Oct	15	0200-0400	TX	W5FN	Oct	17	0200-0400
4	AZ	NQ7K	Oct	21	0200-0400	ID	AB7TK	Oct	22	0200-0400
		VE7CQK	Oct	24	0030-0230	**				
5	CO	N0TFI	Oct	28	0000-0200	MN	N0UR	Oct	29	0200-0400
6	AZ	W7QQQ	Nov	5	0200-0400	CA	K1MG	Nov	7	0200-0400
7	MI	K8CV	Nov	11	0200-0400	AZ	KI7MN	Nov	12	0100-0300
8	SC	W2UX	Nov	18	0100-0300	OH	N8VAR	Nov	19	0100-0300
9	MN	K0EVZ	Nov	25	0000-0200	KY	KA8OKH	Nov	27	0100-0300
10	MN	N0UR	Dec	3	0200-0400	AL	KS4L	Dec	5	0200-0400
	AK	AL7FS	Dec	5	0200-0400	**				
11	MI	K8CV	Dec	9	0200-0400	IN	N9DD	Dec	11	0100-0300
	AK	AL7FS	Dec	12	0200-0400	**				
12	MD	W3CV	Dec	18	0200-0400	NM	K50I	Dec	19	0300-0500
13	KY	KA8OKH	Dec	23	0100-0300	CO	N0TFI	Dec	24	0000-0200
14	CA	W03B	Dec	30	0300-0500	MD	W3CV	Jan	2	0200-0400
15	NJ	N2TNN	Jan	7	0200-0400	AL	KS4L	Jan	9	0200-0400
16	AZ	KI7MN	Jan	14	0100-0300	ID	AB7TK	Jan	16	0200-0400
17	SC	W2UX	Jan	20	0100-0300	NJ	N2TNN	Jan	21	0100-0300
18	NC	AE4IC	Jan	28	0300-0500	WI	AE9K	Jan	30	0100-0300
19	IN	N9DD	Feb	5	0100-0300	NM	KK6MC	Feb	6	0030-0230
20	PA	NR3Z	Feb	12	0200-0400	CA	K1MG	Feb	13	0200-0400
21	TX	W5FN	Feb	17	0200-0400	CA	N6WG	Feb	18	0200-0400
		VE7CQK	Feb	20	0100-0300	**				
22	MN	K0EVZ	Feb	24	0000-0200	NC	AE4IC	Feb	27	0300-0500
23	CA	N6WG	Mar	3	0200-0400	CT	AA1MY	Mar	4	0300-0500
24	CT	AA1MY	Mar	10	0300-0500	CA	W03B	Mar	13	0400-0600
25	NM	KK6MC	Mar	18	0030-0230	AZ	NQ7K	Mar	20	0200-0400

AL7FS	larsennc@alaska.net	Jim Larsen	Anchorage, AK
VE7CQK	paul1@wizard.ucs.sfu.ca	Paul Erickson	Vancouver, B.C.
KI7MN	ki7mn@dancris.com	Bob Hightower	Chandler, AZ
NQ7K	mikec@primenet.com	Michael Connor	Glendale, AZ
K1MG	mgipe@reliablemeters.com	Michael A. Gipe	Saratoga, CA
AB7TK	RFOLTZ@WSUNIX.WSU.EDU	Randy Foltz	Moscow, ID
W7QQQ	jackmead@getnet.com	Jack Meadows	Mesa, AZ
N6WG	<a long address>	Bob Tellefsen	Newark, CA
W03B	white.bob@ssd.loral.com	Bob White	Santa Clara, CA

K5OI	TPETTIBO@NMSU.EDU	Tim Pettibone	Las Cruces, NM
N0TFI	Jessqrp@concentric.net	Jess Gypin	Lafayette, CO
W5FN	tahrens1@juno.com	Tim Ahrens	Austin, TX
KK5RO	vhatley@flash.net	Vernon Hatley	Shawnee, OK
N0UR	lageson@att.net.com	Jim Lageson	Minneapolis MN
K0EVZ	70511.3041@compuserve.com	Doc Lindsey	Rochester, MN
KK6MC/5	jamesd1@flash.net	James R. Duffey	Cedar Crest NM
AE9K	brianc@ams-i.com	Brian Cieslak	Waterford, WI
AA1MY	sslyon@worldnet.att.net	"Seab" Lyon	Bethel, CT
K8CV	k8cv@juno.com	Walt Amos	Royal Oak, MI
KS4L	wr.moore@worldnet.att.net	Randy Moore	Huntsville, AL
N2TNN	n2tnn@ifu.net	Dean Marzocca	Somerset, NJ
N9DD	N9DD@aol.com	Tom Frisz	South Bend, IN
W3CV	ke3nv@erols.com	Scott Bauer	Odenton, MD
NR3Z	skitch@resuba.com	Marty Squicciarini	Lansdale, PA
AE4IC	ae4ic@nr.infi.net	Bob Kellogg	Greensboro, NC
N8VAR	N8VAR@juno.com	Ron Doyle	Huber Heights, OH
KA8OKH	ka8okh@som-uky.campus.mci.net	Rich Dailey	Somerset, KY
W2UX	mail4gary@worldnet.att.net	Gary McCaughey	Lexington, SC

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Fri, 10 Oct 1997 12:16:08 -0400
 From: "Kevin F. Glynn" <kfglynn@prodigy.net>
 To: "QRP-L" <qrp-l@Lehigh.EDU>
 Subject: [28495] Anyone want to chat this afternoon?
 Message-ID: <199710101613.MAA72352@mail1y-int.prodigy.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=ISO-8859-1
 Content-Transfer-Encoding: 7bit

Hi gang,

Well I'm home, trying to procrastinate as much as possible on cleaning. I want to test out the new W6JAZ straight key, and was wondering if anyone would like to try a quick QSO. Pls let me know. I'll be around for at least the next 4 hours or so, until 2000 UTC.

Thanks

72 Kevin N2TO
 Brooklyn, NYC
 kfglynn@prodigy.net

Date: Fri, 10 Oct 1997 11:31:45
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [28496] HB: weak signal enhancement
Message-ID: <3.0.1.16.19971010113145.1b1f2a98@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy experimenteres!

A few years ago I read an article in Scientific America about detecting signals that were masked in noise. (Sri, don't remeber the issue or artical title) The jist of the article was to add in a similer weak signal to the system. The idea being, the signal you want to detect is riding in the noise. By adding in a similer weak signal, these two will combine and the result will be a signal that exceeds the noise and can be detected.

Of course, the signal you inject and the signal you wish to detect are not going to be exactly the same frequency in most cases, and the phase of the two signals will be constantly shifting, so at some points the signals will add and at others they will cancel. But, at CW tones of 700-800 Hz, there should be enough adding to enhance the weak signal enough to pull it out of the noise.

I have yet to try this idea, so I don't have any practical circuits to persent. It should be reasonably easy to try though. Just leak a little bit of sidetone into the audio and see what happens. Might give you just enough edge to pull out that weak fox!

If anyone trys this out, I sure would like to know how it works out.

73,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Fri, 10 Oct 1997 09:28:39 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [28497] Re: NEW TEAM:FOXTAIL PACKERS
Message-ID: <199710101626.LAA09935@multi13.netcomi.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Welcome to the games!

Looks like you've got a good roster -- may even make second place -- after the Aluminum Allies, of course.

Mike K1MG

> Meet the Foxtail Packers:
> Here are the hounds:
> 1) Ed Loranger, we6w Santa Rosa, California
> 2) 'OJ' Quarles, K10J; Houston, Texas
> 3) Dean Marzocca, N2TNN; SOMERSET, New Jersey
> 4) Paul Erickson, VE7CQK, Vancouver, BC Canada
> 5) John De Vere, W7SSM, BAKERSFIELD, California

Date: Fri, 10 Oct 1997 09:31:49 -0700
From: Ed Loranger <we6w@qsl.net>
To: jdkb5eko@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28498] Re: Test "Bench" Equipment
Message-ID: <343E5875.375F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry: I have a link to the Tektronix oscilloscope primer on the front of my webpage.

Give it a shot. I even found the original hardcopy in my garage a few months ago and forgot I had it.

-Ed L.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 10 Oct 1997 09:36:51 -0700
From: "Jim Johnson" <km7h@gte.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [28499] FS: OHR Classic; MFJ 9030; MFJ 784 DSP Audio Filter
Message-ID: <01bcd59a\$b66b5aa0\$LocalHost@km7h>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OHR Classic - \$185 shipped CONUS
MFJ 9030 - \$135 shipped CONUS
MFJ 784 - \$125 shipped CONUS

All are in FB condition

Jim Johnson, KM7H Mukilteo, WA
Licensed since 1959 QRP ARCI #3497
NWQRP #480 QRP-L #1219
CQC #444 AK-QRP #179

Date: Fri, 10 Oct 1997 11:55:51 +0000 (GMT)
From: Jim Glover <psykey@okcforum.org>
To: qrp-1@Lehigh.EDU
Subject: [28500] Re: Does Your Dog know CW???
Message-ID: <199710101155.LAA08411@okcforum.org>
Content-Type: text

> My dog is an English Springer Spaniel. Loyal old mutt. His name is
> "dit dit" and responds to that name in a heartbeat.

We have a cat named noname3.cat ...named after the two before him,
noname.cat and noname2.cat. :)

--Jim WB5UDE

Date: Fri, 10 Oct 1997 23:08:14 -0600
From: Steve Galchutt <n0tu@webaccess.net>

To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [28501] WTB Sierra unbuilt kit or partial
Message-ID: <343F09BE.1AEF@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang, I've been building QRP mono banders for the last year and decided that maybe I should built a multibander instead. Since my table is getting crowded w/little rigs, filters, DSP, keyers, paddles, keys, speakers, etc., ...the list goes on! S000 it's time to consolidate. Anyone have a unbuild kit or partially built Sierra kit they don't think they're going to finish or have the time to finish!! I just thought I would ask the list before I send my check off to Wilderness. Any takers?? Best Regards... and Thanks ALL for the info, ideas, and support the QRP-L is best!!.....Steve > n0tu . .
email:N0TU@webaccess.net
homepage <<http://www.webaccess.net/~S&P>>

Date: Fri, 10 Oct 1997 12:14:21 -0500 (CDT)
From: Bill Morris Denton <bdenton@tenet.edu>
To: "James R. Duffey" <jj3m@maxwell.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28502] Re: Performance of Big \$\$\$\$ Rigs and Simple QRP Rigs (Long and Opinionated)
Message-ID: <Pine.OSF.3.96.971010105713.21323B-1000000@francis.tenet.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good morning from Houston home of the Texas yahoo's and the soon to be "Armadiller Chase".

As a new commer to the QRP community I read your very comprehensive article with great interest as well as the comment of others. I think it's all of the above. It's difficult to develop skills without the proper rig. You can have the best rig in the world but if you are using a wet noodle for an antenna...? I spend a good deal of my radio time on 17 meters ssb. I have what some consider to be the best bang per buck antenna system one can put up on an acre full of trees. Tall Texas trees. Towers are out of the question. All my antennas are wire and all have gain. Although I have two kw amps but I very seldom use them because of the gain I get from

the antennas. Many times I talked to guys running 1.5kw on an Alpha feeding an off center fed wet noodle. He's giving me 30 over on my 100w and

I give him a S-8. Even with the 1.5kw he can't make up the difference in the wet noodle. I guess my point is that many of these guys just haven't done enough antenna experimenting. Someone told them that a wet noodle was a good antenna and that's that. Some just don't have the space.

As far as equipment.....I read a survey on the internet on someone's contesting web page, the question was put to a group of prominent contesters, "what is the best under \$2,000 radio for contesting". By a small margin they selected the Yaesu FT-990 as the best in that category. That made me feel good because that's my rig. My point is..... recently in one of the QRP contests, K10J brought over his OHR400. I think that's the number, we ran them side by side on equal antennas. It really opened my eyes to the quality of that type of radio. With a couple of exceptions he heard every thing that I did. The biggest drawback was that I doesn't have a noise blanker. I could pull signals out of the noise with the 990 with the noise blanker on that he couldn't hear. It was every bit as selective as the 990. At one point we operated on the same band just a few KC's apart That's asking a lot from any radio. I'm not sure how the Altoid type rig's would stack up. I've never seen one.

I operated a highly modified HW-8 for the first time in the recent QRP field day. We had a really good 40 meter dipole at 70'. Flat all the way across the top. Although I felt the HW-8 was sensitive enough the band spread across the QRP window was so narrow, it was hard to separate the signals. Plus two QRO QSO's were near by and hearing both sidebands of those stations really hampered my ability to separate out the qrp guys. In fact I was not able to search and pounce. I sat and called CQ all day and hoping I could pull them out between the stronger stations. I think that all the skill in the world would not have helped in that situation. In my station at home I think it's all skill, and the lack of it. The signals are there. I just have to be able to improve my operating abilities.

I didn't read the post on not allowing commercial high \$\$\$ in qrp contest but my feeling is, if you have an announced event and call it a CONTEST it's fair game for all comers regardless of equipment used. If you want to have a contest that's just for rig's XY&Z. Then have a contest just for XY&Z rig's. That would settle that issue. I'd like to see a contest where the code speeds limited to 25wpm or less.

My guess is after having said all this..... the guys with the skill are going to continue to improve their equipment and antennas to keep up with their skills. Skill should get better as well.

Thanks for the space.

Bill W5SB

Don't forget the upcoming "Texas Diller Chase"

Date: Fri, 10 Oct 1997 10:27:46 -0700
From: Ed Loranger <we6w@qsl.net>
To: mgipe@reliablemeters.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28503] Re: NEW TEAM:FOXTAIL PACKERS
Message-ID: <343E6592.4524@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It is he who whispers, that others become silent,
so they may hear. So too, the Foxtail Packers
will maintain a QRP profile, and quietly succeed
when others only boast.

Now where did I put that sachel of tails???

HI!
-Ed (Enjoying the friendly competition.)

Michael A. Gipe wrote:

>
> Welcome to the games!
>
> Looks like you've got a good roster -- may even make second place -- after
> the Aluminum Allies, of course.

--
72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VF0.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 10 Oct 1997 11:27:03 -0600
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: w5hir@mail.phoenix.net, qrp-1@Lehigh.EDU
Subject: [28504] Re: RUFZ
Message-ID: <2.2.16.19971010172703.37c79dae@popd.ix.netcom.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>Am intersted in the RUFZ codepractice program.. where can it be had???

>

>Foxy

>w5hir@mail.phoenix.net

>

Here's the web address where you can get the software, Foxy..

<http://home2.swipnet.se/~w-28723/toec/rufz.htm>

It'll drive you nuts, sure pushes ya hard!

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Fri, 10 Oct 1997 10:18:00 -0500
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: kd1jv@moose.ncia.ne, qrp-1@Lehigh.EDU
Subject: [28505] Re: HB: weak signal enhancement
Message-ID: <M2415091.029.uj39b.1.971010172639Z.CC-MAIL*/OU=SATCG/OU=AZBH/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Date: Fri, 10 Oct 1997 11:31:45
To: qrp-1@Lehigh.EDU
From: Steven Weber <kd1jv@moose.ncia.net>
Subject: HB: weak signal enhancement
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Date: Fri, 10 Oct 1997 11:31:45
To: qrp-1@Lehigh.EDU
From: Steven Weber <kd1jv@moose.ncia.net>
Subject: HB: weak signal enhancement

The effect I have noticed occurs when a medium strength signal (such

as a "tune up" signal that we seem to get on a regular basis) is within a few Hz of the desired, barely copyable signal. The readability of the weak signal ends up being greatly enhanced, being much more clearly copyable as it beats against the tune up signal.

Like I said, I have heard the effect several times, and have thought that it would be fun to play with. I was considering building a second "weak" BFO (maybe the harmonic of a 100 KHz VXOed osc) injected into the 4 MHz IF of my Fox rig.

It does sound like a rather crazy idea.... Deliberately inject QRM to enhance a desired weak signal. But it also sounds like a neat project.

- Dan Tayloe, N7VE, Phoenix, Az, QRPL # 696, Az ScQRPions

>A few years ago I read an article in Scientific America
>about detecting signals that were masked in noise. (Sri,
>don't remember the issue or article title) The gist of the
>article was to add in a similar weak signal to the system.
>The idea being, the signal you want to detect is riding in
>the noise. By adding in a similar weak signal, these two
>will combine and the result will be a signal that exceeds
>the noise and can be detected.

>73,

>Steve, KD1JV....In the White Mountains of New Hampshire

Date: Fri, 10 Oct 1997 11:37:27 -0600
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [28506] Re: SS 1997 Warning
Message-ID: <2.2.16.19971010173727.31ff67ca@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 16:10 10-10-97 +0100, K5FO wrote:

>I'm sure that everyone that is going to do CW SS '97 has
>already gotten everything ready. :-) It's not that far away.
>

I'm all set up with TR-log v6.11 (the latest).. :-)

>Dr. Jack Bryant, W5TFB, and Dr. Chuck Adams, K5F0, once
>again are forming the SS CW TX Tag Team.

snip

>So for teams consisting of two members, both members in
>the same or adjacent ARRL sections, and running Q power
>class, let Jack and Chuck know.

I'm going to Wyoming, on a hill with a clear horizon all around
me, for the SS. Being in a rare mult, I'm hoping to get a boost
over sitting at home and searching for 'em..

Anyone in a state adjacent to Wyoming care to make a 2-man
team to beat Jack and Chuck?? Almost every one of them (except
CO) is also a fairly rare multiplier. :-)

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Fri, 10 Oct 1997 12:37:38 -0500
From: John Bohnert <johnb@elmhurst.edu>
To: JFKluender@AOL.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28507] Re: FOX: Rude 'N9' station (LONG)
Message-ID: <343E67E2.361C978@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

JFKluender wrote:

>

> Friends,

> If I was the "N9" station that someone threw a jab at recently for
> calling too often during Marty's run at being the fox, then I apologize for
> my poor operating. Let me put out a few explanations (not excuses) for last
> night...

>

.....cut.....

> Have fun, God Bless, & see ya in the next hunt...
>
> Joel, NF9K

I wish to join fellow QRPer Joel and offer my apologies as well, if I am the offending "N9." The FOX hunt on October 8 was my first. I do wish to enter into this wonderful world of QRP as a "good citizen," not a "lid!"

Based upon my experience and my interpretation of that experience, I wish to put forward conclusions I have reached about my mode of operation in a pile up. Admittedly, they have been reached through chasing DX, but with barefoot rigs (DX-60B, Triton, Omni V). If these conclusions are inappropriate for the world of FOX hunts, Spartan Sprints, Bumblebee Events, I (like Joel) would like some constructive criticism.

When taken to the extreme the logic may be faulty, but I believe I cannot call "too many times" IF I do not interfere with an ongoing exchange between the FOX and the hunter or stand-by when, for example, the FOX sends N1?? As long as the FOX has not given any indication, through a transmission that a contact is initiated, I feel I (and others) can continue to call. The previous statements make sense to me, particularly if I have "good ears." By "ears" I mean...do I have break-in and is the break-in between letters or words or slightly elongated spaces? do I hear the FOX on every exchange...sometime, always? do I hear the hunter's transmission...never, sometimes, always? what is the general level of "rst" throughout the pile-up, for both the FOX and the hunter? what is the timing of my call in terms of speed and number of times sent relative to the rhythm of exchanges in the pile-up? Anything less than good ears means I am in danger of calling too many times, that is, I will interfere with the exchanges in pile-up conditions...even if I send my call once...or twice! For me it is interference which needs to be the standard against which to measure the number of times a call is sent. Possibly in the world of QRP pileups, two calls is the maximum number to be sent at one time for each cycling of the pileup??? I will acknowledge that in responding to a general CQ (no pileup implications) the sending of your call once-twice(?) is an appropriate and skillful strategy.

I know what it means to get stomped on in the DX pileups (it happens to me a lot), because I do not have the high power or significant aluminum standing in my city lot. I have interpreted the times when I get stomped on, not as the result of too many calls, but rather, the result of someone who has "poor ears." I have no intention of deliberately depriving any fellow QRPer of their FOX pelt. I do not wish to leave footprints during these hunts!

On Wednesday night I had a pipeline to the FOX. Never below 459, usually 559/579. I could hear everyone of the FOX transmissions. I heard about 90 per cent of the hunter transmissions. I have breakin capability with my QRP rig. FOX could copy faster than "he" was sending. The rhythm of the pileup was approximately two of my calls at the beginning of the hunt. At another time the pile-up was slightly longer than my sending of one call. Later the pileup was equivalent to three of my calls...FOX was working a series of "5's"...things were slowing down relative to my call (as a clock). Approximately 40 minutes after the beginning of the hunt, the pileup would fade to virtually no callers with no response from the FOX. Two times in about a 5 minute period the FOX restarted the pileup by calling CQ FOX on one occasion and QRZ? on the second occasion. The only callers FOX acknowledged at this time were the calls that trailed along at the end of the pile up...I could hear the stations continuing to call until FOX acknowledged them. After FOX worked about 4-5 "trailers" (with the trailers sending their call at least three times that I was able to hear before the FOX returned their call), I decided to adapt my hunting strategy to the traits of my quarry. I waited until the pile-up was almost gone (without sending my call), paused, no reponse from FOX to the pile-up (just like the previous 4-5 contacts), and then I called. I bagged the FOX one hour into the hunt.

Have fun, God bless, and see you in the next hunt!!

With trepidation

72

John QRP-L #1257 N9KW Elmhurst, IL. HW-8 (soon for sale) Sierra (on order) Omni V (being mod for QRP)

Date: Fri, 10 Oct 1997 10:41:28 -0700
From: "Gene A. Williamson" <genewill@ordata.com>
To: qrp-l@Lehigh.EDU
Subject: [28508] A better filter for Fox Nite
Message-ID: <3.0.32.19971010104049.006da4dc@ordata.com>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

&Question for all you experts and experimenters. I am looking to see if there

&is any better filter than the one that comes with the EMTECH rig for pulling

&signals out of the murk on FOX NITE. Any suggestions??

Alan <italic>et al</italic>:

Yes, and you already have one, installed atop your shoulders . . .

Sometimes listening to a ****lower pitch**** on the signal is all it takes. A human ear, in mint condition, will approach a 25Hz bandpass when copying tones at 400~500Hz (talk about selectivity!). Also, the lower the note, the greater the difference IN PERCENTAGE TERMS between the desired signal and nearby QRM. Listening to a 500Hz note (which, on my IC-735, I achieve with a constant RIT offset to preserve my ability to zero-beat), it also seems as though I can hear weak signals better, and with less fatigue.

Back when dinosaurs roamed the earth (after spark, but before transceivers), we used a receiver's adjustable BFO control to tune Morse pitch, and it was quite common to copy a QSO at 100 or 200Hz. [Except they were cycles then, and QRP was considered to be anything less than 100watts input, but those are stories for another time.] When you're concentrating on a note that low, higher-pitched signals in the receiver's bandpass will effectively disappear in your brain's "bandpass."

73 Gene K7dBV

genewill@ordata.com

Do More With Less -- Be QRP!

P.S. I learn a lot lurking here in qrp-l, even though I seldom run less than 25watts output. Which proves, of course, that if we employ it correctly, the Internet can be a wonderful Elmer. Thanks, everyone!

Date: Fri, 10 Oct 1997 12:57:29 +0000 (GMT)
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@Lehigh.EDU
Subject: [28509] Re: HB: weak signal enhancement
Message-ID: <199710101257.MAA08736@okcforum.org>

Content-Type: text

> The effect I have noticed occurs when a medium strength signal (such
> as a "tune up" signal that we seem to get on a regular basis) is
> within a few Hz of the desired, barely copyable signal. The
> readability of the weak signal ends up being greatly enhanced, being
> much more clearly copyable as it beats against the tune up signal.

I've noticed something similar, now that you mention it. More than once,
I've copied a weak AM station near a CW signal. During the dots and dashes
(while the CW signal is present) the AM station comes through, but it doesn't
in between.

--Jim WB5UDE

Date: Fri, 10 Oct 1997 10:49:49 -0700 (PDT)
From: Jim W7LS <w7ls@brigadoon.com>
To: wpc@west.net
Cc: qrp-1@Lehigh.EDU
Subject: [28510] RE: QRP Light/Lithium Battery?
Message-ID: <199710101749.KAA17155@k2.brigadoon.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I blew the battery number. Seems there are two of #2016 batteries in there.
Lithium. 73 de Jim, W7LS

At 04:14 AM 10/10/97 -0800, you wrote:

>>They are all LED based, with a coin cell (Lithium 2036 cell). You
>>can pinch them between your pointer finger and your thumb and hide them. Cool.
>> The back of the package says the life of the cell is..... 124
>>HOURS.... That's key-down, folks.

>
>I am very curious about Lithium 2036 batteries. I cannot seem to find
>them, at least in the Radio Shack, Mouser, or Allied catalogs, all of which
>have a large selection of batteries. Assuming the Photon Microlite draws
>20 mA, which is typical for LED's, especially bright ones, it seems that
>this 2036 Lithium battery would have a whopping 2480 mAH capacity! Seems
>way too high for a small coin cell lithium battery.

>
>So, does anyone have info on this battery?? Are you sure 2036 is the
>correct number?

>
>Tnx/72, John WA6KY0
>Ventura, CA

>
>
>
>
>

Date: Fri, 10 Oct 1997 10:54:24 -0700
From: Ed Loranger <we6w@qsl.net>
To: Dan_Tayloe-P26412@email.mot.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28511] Re: HB: weak signal enhancement
Message-ID: <343E6BCF.3700@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, the secret is out. I use my OHR-100 during the
WSN-40 qrp net on Saturday Mornings. (1700 UTC).

Sometimes I key down the HW-8 rig, through a 12 Inch
coax, 50 ohm load at the end. I vary the HW-8 freq until
the weak station rides comfortably on the beat signal.

It works!

Not an everyday thing though. I've made the antenna better.
Probably useful for K-miles per watt award though!

-Ed L.
--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 10 Oct 97 10:58:18 -0700 (PDT)
From: John Watrous <jwatrous@groucho.santarosa.edu>
To: qrp-1@Lehigh.EDU
Subject: [28512] MY SP results-K6PZB
Message-ID: <Pine.3.89.9710101043.B4336-0100000@groucho.santarosa.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

40m
k7vyy
w6zh
n7cqꞑ
w5vbo
ko6ka
n6wg
w7qqq
ka5t/0
ab7tk
w7zoi

20m
ks4l
a17fs
w5sb

80m
ko6ka
w7qqq

I know this is also on the soapbox, but I like seeing who everyone has worked or heard, so here's what I did.

John Watrous, K6PZB
CM88nk Graton CA
ARS #211
jwatrous@groucho.santarosa.edu

Date: Fri, 10 Oct 1997 14:08:22 -0400 (EDT)
From: Robert Parks <rob3ert@vegas.infi.net>
To: daniel@pandora.lugs.org.sg
Cc: qrp-l@Lehigh.EDU
Subject: [28513] Re: sw listening
Message-ID: <199710101808.0AA05220@fh102.infi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Daniel & gang,

This reminds me of an incident for which I was responsible . Back in the deep dark past (circa 1940's), I built a "simple" circuit using a tuning-eye tube, which, for me as a paper-boy (you've got to be old to remember

those!), was very expensive. I was building the circuit to serve as an "S" meter. Well, the filament lite and the green screen came on, but it never changed "shadow-angle" no matter what voltage I applied to the grid. I checked, checked and re-checked the circuit and all components (there were only three or four). Everything seemed right, but it didn't work. I reluctantly put it aside.

Every so often I would get the circuit out of the box and re-check it. Nada. This went on for several years.

Finally, when I was in High School, our science teacher was introducing us to the "scientific method". I got enthused, went home and got out the "eye-tube" circuit one more time. This time, I REALLY checked things out.

Did you know that a one-megohm resistor is:brown-black-green and that a 15 ohm resistor is:brown-green-black? When the plate and the target are attached to one another with a 15 ohm resistor, the circuit doesn't work too well. The rest is history.

When building those QRP rigs, pay attention, and don't let assumptions ruin your work!

Thanks for the bandwidth.

Bob Parks
K6AEC (Las Vegas)

At 12:42 PM 10/10/97 +0800, you wrote:
snip-----

>
> It turned out, after a long distressing period, that the TBA820
>amplifier was not working correctly as a result of a wrong resistor.
^^^^^^^^^^^^^^^^^^

The
>colors were right but it must have been misprinted. Since I could not afford
>to buy any more parts (not even a resistor!), I carefully filed a gap in the
>resistor, thereby increasing the resistance. The next time I powered up,
>there was this familiar crackling sound and noise that I used to hear in
>working radios. I was estatic.
>

Date: Fri, 10 Oct 1997 14:19:03 -0400 (EDT)

From: SNickrand@aol.com
To: qrp-1@Lehigh.EDU
Subject: [28514] ----[FOR SALE]-----
Message-ID: <971010141715_1699458073@emout08.mail.aol.com>

*****SUMMARY***** (SHIPPING INCLUDED FOR CONUS)

Argosy 525	\$ 410
WM20	\$ 170
WILDERNESS NC40A	\$ 125
AA 20 METER XCVR	\$ 60
38SPEC.W/ENCLOSURE	\$ 60
HW7	\$ 60
49ER	\$ 30
38 BOARD	\$ 30
HALLICRAFTER SX117 / HT44 / PS-SPKR	MAKE OFFER
DRAKE T4X / PS /SPKR	MAKE OFFER

*****DETAILS*****

Ten-Tec Argosy Transceiver

The Argosy is the model 525 which is a selectable 5 watt / 50 watt CW and SSB transceiver. 80/40/30/20/15/10 meter bands. Includes filter options, manual, and the matching Ten-Tec mod 225 power supply (13.5 VDC @ 9 Amps) (Naturally, the radio can also run directly off of a battery). Cosmetically, the radio is in *excellent* condition - this radio has been very well taken care of. Will sell for \$410 postage paid & insured.
Here are the facts:

Ten-Tec Argosy 525

- * Matching #225 power supply and power cable
- * #218 1.8Khz 8-pole crystal IF Filter
- * #223 Noise Blanker
- * #224 Audio CW Filter (Original TEN TEN item, not the one built by Embedded Research)
- * #226 Crystal Calibrator (this is an extremely hard to find item)
- * Original manual

WHITE MOUNTAIN 20M SSB XCVR

Hardly used, 4 watt out, operates great. With white mountain enclosure and morse code freq. readout, 10 turn pot, manual.

Wilderness NC40A

2-3 watt out. Easily adjustable for either novice or general portion of the band. With manual.

A&A ENG 20M CW XCVR

Receives, but does not transmit. Could be modified for the DB80 ssb project in the last QRPp. (With original QST article and schematic)

HW7

Modified front end allows reception of 40 meters but squeals on 20 meters and 15 meters. Needs some work. With original manual.

38 SPECIAL

Has 5 watt mod, tick keyer. Partially enclosed with front/back/bottom pcb and siderails.

38 SPECIAL BOARD

HAD SEVERAL OF THE MODS INCLUDING TICK KEYER, BUT I FORGET WHATS MODIFIED AND WHATS NOT. IT DID WORK ON BOTH RECIEVE AND TRANSMIT.

HALLICRAFTER SX117 / HT44 / PS-SPKR

Great old receiver, as good as the new solid states. Xmtr has no finals. I have never tried to operate xmtr. average cond.

DRAKE T4X / PS /SPKR

Never have tried to operate transmitter--no finals. average cond

Date: Fri, 10 Oct 1997 14:20:41 -0400
From: rerobins@unccvm.uncc.edu (Rick Robinson)
To: adams@chuck.dallas.sgi.com
Cc: qrp-l@Lehigh.EDU
Subject: [28515] Flitz and Semi-Chrome
Message-ID: <v02130502b063e83b55ef@[152.15.144.13]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Chuck and gang,

One thing to remember regarding Flitz is that it contains an abrasive element that can take off protective finishes and thin platings. My wife hasn't forgotten my Flitzing the thin brass plating off of some switch

plates. Ooops!

Another good product from Germany, like Flitz, is Semi-Chrome. It doesn't have the abrasive in it that Flitz does, but also does a nice job. It also comes in a tube and is toothpaste consistency. They are both pricier than Brasso.

72,

Rick kf4ar

Date: Fri, 10 Oct 1997 11:24:24 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "Ed Loranger" <we6w@qsl.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28516] Re: NEW TEAM:FOXTAIL PACKERS
Message-ID: <199710101822.NAA21830@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Good rejoinder, Ed. :-)

Good luck!

Mike K1MG

>
> It is he who whispers, that others become silent,
> so they may hear. So too, the Foxtail Packers
> will maintain a QRP profile, and quietly succeed
> when others only boast.

Date: Fri, 10 Oct 1997 14:30:20 -0400
From: "Fishman, Clark" <cfishman@pica.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [28517] weak signal enhancement
Message-ID: <61184F6C1EF9D0119A6300609798EA461F41CC@pica-emh9.pica.army.mil>
MIME-Version: 1.0
Content-Type: text/plain

This might be an example of the Haas(sp?) Effect shown by loudspeaker placement....I forgot the exact results something like a small sound up front reinforcing the sound from the main speakers

It is an interesting psycho-acoustic phenomenon

Clark Fishman WA2UNN cfishman@pica.army.mil

Date: Fri, 10 Oct 1997 14:30:35 -0400 (EDT)
From: G3TUX@aol.com
To: g3ycc@gqrpclub.demon.co.uk, qrp-1@Lehigh.EDU
Subject: [28518] Re: SST 20 VX0 range
Message-ID: <971010142957_-1395546827@emout02.mail.aol.com>

Hallo Frank!

I still have not got around to building my SST/20 - but my pal, Hanns DK9NL, has completed his. He replaced D4 with a BB205B and now tunes from 14041 to 14063. Hope this info is helpful.

I have downloaded the SST mod. file from your web site - many thanks.

Hope to see you at Rochdale. 73 Chris G3TUX

Date: Fri, 10 Oct 1997 19:23:36 +0100
From: John Anthony Reynolds <D2250077@infotrade.co.uk>
To: "'kd1jv@moose.ncia.net'" <kd1jv@moose.ncia.net>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [28519] RE: weak signal enhancement
Message-ID: <01BCD5B2.412D15E0@default>

From: Steven Weber

. The gist of the article was to add in a similar weak signal to the system. The idea being, the signal you want to detect is riding in the

noise. By adding in a similer weak signal, these two will combine and the result will be a signal that exceeds the noise and can be detected.

.Hi Fellow QRP's,

I am at present am experiencing severe interference from our local TV cable system which is generating a wide band pulse noise from around 1.2Mhz to 18Mhz as well as carriers spaced about 150Khz. One of these carriers is centered on 14.050Mhz and I have observed over the past few weeks that when a station is within about 700hz of this steady carrier, irrespect of how weak the signal is, readabilty is assisted by this signal injection

This would seem to bear out the comments as noted above

73 de G3PT0 GQRP # 595
Chipping Sodbury
South Gloucestershire

Date: Fri, 10 Oct 1997 11:51:17 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [28520] Pacificon Denied!
Message-ID: <199710101851.LAA28590@usr09.primenet.com>

Howdy Folks,

Sorry to use up the bandwidth with this, but you're the only ones who'll understand (blank stares from co-workers).

ARGH! AAAARGH!!! I'm still on call for possible travel this month, which means I can't go to Pacificon. Did I already say "ARGH!?" Well, I *could* buy a ticket and take a gamble as to whether or not I'd end up on business travel, thereby blowing a few hundred dollars which I don't really have in the first place. :-/

ARGH! Guess I'll be glued to the various Pacificon-savvy websites, waiting for the info/images to appear. Assuming I'm not trapped in some generic hotel room, babysitting a workstation. *sigh*

Hope the rest of you have fun up there. Maybe I'll send a camcorder along and someone can cover the seminars for me. :-) *Really* wanted to see the SMT techniques....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It happens sometimes. People just explode. Natural causes." -Repo Man

Date: Fri, 10 Oct 1997 12:57:31 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [28521] Re: new kit, sour grapes
Message-ID: <199710101914.PAA09131@mh004.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

To Mike, and several others who have responded to my sour grapes post:

Please, guys, don't be so hard on yourselves! I was just raising an issue. Don't take me too seriously.

Part of the reason QRP-L is such a great group is that there are many on the list who contribute to our hobby in a very positive way. I've consider many list members friends who challenge me to be a better person as well as a better ham. (including especially some of those reacting to my note)

I had a boss once who said, "If you never do anything controversial, something that someone questions, you probably aren't doing enough." I sincerely believe that. Those creative people who are the real leaders, movers and shakers will occasionally step into a little goo. But, they will quickly step out of the goo, clean their shoe and move forward.

It's great to be associated with such people, even if it's only by email.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

> From: Michael A. Gipe <mgipe@reliablemeters.com>
> To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
> Subject: new kit, sour grapes
> Date: Thursday, October 09, 1997 7:46 PM
>
> To all --
>
> I have already privately apologized to Bob and thanked him for his letter
> concerning the new NorCal kit, but I realize that there must be others
who
> are also offended, so I believe it necessary to do this publicly as well.
>
> While it started as an amusing way to generate enthusiasm for the new
kit,
> it went too far, and I am certainly guilty of taking it there.
> Unfortunately, the effect was to divide the group into those who 'knew'
and
> those who 'didn't know', resulting in hurting those who 'didn't know'.
As
> the father of a six year old who has had to intervene a few times when
> playful teasing went too far, I am embarrassed to admit that I am guilty
of
> the same offense! Who was it who said that you never really grow up?
> Please accept my apology.
>
> I also wish to publicly thank Bob Kellogg for stepping in. He said what
> was necessary without flames or character criticism. He sets a good
> example for maintaining civility in public discourse. I understand why
he
> is so well respected in the circles he travels.
>
> Sincerely,
>
> Mike K1MG
>
> P.S. -- While I'm in confessing mode, I should also apologize for
> unintentionally QRMing the fox a couple times yesterday. Would you
believe
> I had a bad timing day?
>
>

Date: Fri, 10 Oct 1997 12:26:26 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [28522] Fox: hunting etiquette (long)
Message-ID: <199710101924.0AA28258@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Fellow QRP-Lers --

Fox hunting is different from DX chasing. We hold ourselves to a higher standard of behavior.

DX chasing is purely a selfish activity, DX packet clusters notwithstanding. This is not a criticism, just an observation. I enjoy cracking a DX pileup whenever I find one, too.

Fox hunting is a little more social, witness the team and state competitions. In addition, the fox earns points for each QSO in the two hours, so the hounds help the fox, too. When I listen to the fox hunt, I listen for the hunters as well as the fox: Yeah! Jack got him; I hope Stan can get through; sounds like Bob switched to the horizontal loop...

In a sense, we are all members of the same team, QRP-Lers who get on the air to promote our hobby.

Therefore, it IS possible to call too many times even if you don't QRM the fox. With the pileup activity the way it has been this year, every time you toss in your call, you are preventing someone else from being heard by the fox. You are also making it difficult for the fox to hear, which leads to delayed responses, which leads to more hunters calling again, which further delays the fox, which The bottom line is that when hunters call too much, even without QRMing the fox, fewer QSOs happen, more hunters are frustrated, and the fox ends up with a lower score.

As QRPers, we also need to give more than lip service to the ideal of making the QSO with less power. Remember that every call you make at 5 watts makes it harder for the guy who is trying to operate at 1 watt.

The foxes are also not experienced DXpeditioners. It is a learning experience for them, too. We can't throw all the worst DX pileup practices at them and expect them to control the pileup perfectly. I am eagerly anticipating my first time as a fox next month. This will be the first time I'll be on the receiving end of the pileup, and I'm sure it will be a learning experience :-).

One of the advantages of the fox hunt social experience is that together we can learn and forgive. Let me be the first to admit that, despite what I've said in the previous paragraphs, I often make mistakes and fail to

follow my own advice. I'm only human. With the fox hunt, we can all get on to QRP-L and discuss the hunt, receive helpful criticism, evaluate our stations and operating practices, and generally learn from what we do. You just can't get that kind of education from a DX pileup.

My goal is to more often emulate Chuck K5FO's performance the other night. I heard nothing from him in the hunt for an hour and a half, then he put one carefully timed call out and bagged the fox with one call. Gotta love it.

Remember, missing a fox is no loss if you've learned something in the process.

Mike K1MG

P.S. -- Whew, too much niceness in one week! I'm going to have to do something really nasty next week to make up for it!

Date: Fri, 10 Oct 1997 14:23:56 (-0500)
From: "Dean T. Miller" <dtmiller@dsmnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28523] re: sw listening
Message-ID: <199710101924.0AA22598@dsm7.dsmnet.com>

Hi Rick,

> Date: Fri, 10 Oct 1997 07:38:02 -0400
> From: Rick Sealey <rsealey@InfoAve.Net>

> By the way, I just received a Sangean 909 with plans to replace the 2001 (my
> office radio), but it's going back today. It has gotten good reviews and
> has a lot of great features but the shortwave sensitivity on the one I got
> is just not up to the job. I guess I'll go back to Sony, I'm just not sure
> which model.

Hmm, maybe you got a bad one. I plugged my main antenna into my 909 and could hear the FOX on Tuesday (along with lots of other stations because of the wide selectivity). I can't use it with the telescoping or reel antennas that come with the receiver because of the QRN in the shack.

You're right about the synchronous AM demodulator, I wish the 909 had one for SW BC use.

(Also, one of my local FM stations apparently is setting the clock to the

wrong time -- I have to switch to another FM station to get it set
to the correct time.<g>
-- Dean -- from Des Moines (KB0ZDF)

Date: Fri, 10 Oct 1997 14:22:36 -0500 (CDT)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: QRP-L@listserv.lehigh.edu
Subject: [28524] WA8MCQ: "JOY is back on the streets--Hot Damn!"
Message-ID: <Pine.SOL.3.94.971010132530.20694D-100000@sundance>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

KI6DS: "a monumental event in the QRP world!"

Well gang, I can make it official: the books are here and I'm
ready to ship (as soon as I get some envelopes!).

After a decade of waiting and wanting, THE JOY OF QRP: STRATEGY
FOR SUCCESS, second edition, is a reality. A lot of QRP books
have come and gone, but this one has been described as "the
classic", the "bible of QRP operating" by many QRP'rs. Those of
you who weren't on the QRP scene when it was first published
have no doubt heard about it. Every so often, I've heard of atrocious
prices being paid for a copy -- and I understand that some QRP'rs
have "open contracts" out looking for a copy. Some QRP'rs have
mentioned that if another edition ever comes out, they'll buy one
copy for themselves and several extra just as "an investment" --
sort of like the stock market, I guess.

At any rate, It has taken me a long while to get into a position
to be able to republish JOY. When I finally did last fall, I had
to deal with the issue: "to rewrite or not to rewrite" the book.
I had periodically thought that I'd rewrite it and expand various
sections, but after trying that tack, I accepted the fact that JOY
is a classic because it is a tightly woven fabric. To muck around
with the way it flows would simply muck up its effectiveness and
clarity. So, I decided to republish it "as is". I have added 12
pages: an update of the Club Information; a new section on the WEB
and Internet resources; updating suggestions for the Viking-5
and v.f.o.'s; further thoughts on SWR and antenna efficiency; the
final Milliwatt DXCC Trophy Program Awards List; and reviews of
THE HISTORY OF QRP.

The second part of the title describes the approach of the book. To
be successful, a QRP operator has to "think it through". That means

that the various complex relationships among power, antenna, and ionospheric propagation must be learned and applied to the given situation. JOY shows the QRP operator how to do that.

We're all aware of the fact that the new cycle is finally picking up steam and the conditions are only going to get better for several years. What a great time to be a QRP'r! Let's talk about breaking DX pile-ups and transcontinental NET QNI's! In a couple of years, the world will be ours! ==I just have to toss in a couple of my "peak" experiences of the last cycle-- even though I'm supposed to be selling books right now!==

At any rate, I headed down to Hernando, FL back in Jan., 1988 -- I had to winterise my mobile home in -30F, wearing my snowmobile suit and moonboots etc. In Hernando, I checked into a motel around 1700, took out my 10-speed, and headed up the road. Fantastic - 75F! About three miles out, I crested the peak of a hill and noticed this incredible "L" shaped stand of 100ft. pines and instinctively thought (as any QRP'r does, since we're always on the lookout for "perfect" antenna set-ups!), "Holy cow, probably 400-ft from tip to tip!" Believe it or not, nestled along the long-part of the "L" were 6 cement-block cabins, and a stop at the "Manage" revealed that one cabin was open. I promised to be back in a half-hour with a month's rent -- no need to debate the wisdom of that! The long-n-short of it -- QRP heaven. First order of business -- bike-riding the next day. Believe it or not, I'm out on this beautiful FL country road pedaling along and begin to get this peripheral vision sense that something blue had been there for a really long time. Turned out to be about a quarter-mile of blue fiberglass rope that had unraveled as it wound itself off the reel on a truck driving along the road! Off to Radio shack for wire. Slingshot and sinkers out of the trunk, and shortly I had a 350-ft longwire up about 100ft!

Well, you can imagine the rest of the story. First-hop reflection point = pure seawater in all direction but northwest. Very low angle of radiation on the high bands. Let's forget about the high bands and talk about 80 and 40 meters with the Argo. Beginning around 2300, 80 and 40 opened to EU and SA. Forget the latter. At first, as is usual with the QRP attitude "heck give it a try, nothing to lose", I took a couple shots at YU's and OK's and such. Surprise -- they all came back with good signal reports. Probably a fluke... But then I started generated mini-pileups -- east EU's calling me and waiting in line for a shot at me! That was the closest I'll even get to the experience of operating from some rare reef! It is still hard to believe.

But that wasn't the best. I moved down to Anna Maria Island just south of Tampa bay -- absolutely no decent antenna supports around. So, I

kept the Hustler mounted on the '66 Tempest, and to operate, I'd just drive to this very scenic spot on the bay. DX contests were rough, but at least I was working some DX. Then one afternoon during some QRP QSO party, 20m opened to EU and I managed, with difficulty, to work some of the QRP'rs over there. I had extreme difficulty with one G who kept calling me -- he was just a hair of a whisper in the noise floor.. Finally we got everything straight but his power, which I kept interpreting as "5(sizzlecrackleqsb)W". He was just playing with me, seeing if

I was good as I usually pretend to be at copying weak signals. Finally, he ran a long string of repeats and I couldn't believe it -- I was missing the "m" in the power -- he was running 5Mw! Now I've heard about these milliwatters, but I never actually worked one until then. 5mw across to Atlantic to a Hustler on a '66 Tempest -- it hardly gets better than that! After we succeeded, he went QRO to 2w and confirmed it!

So, that's the kind of stuff we're looking at -- maybe not as good since the last cycle was a whopper, but compared to the last several years it will seem like shooting ducks in a barrel -- if you know how to capitalize on conditions, antennas, etc -- OK, I'm getting back to peddling books now. JOY will help you do that.

Here's another old review from 1986. Ironical that even back then everyone was waiting for the book!

=====
WIRELESS (U.K.)

} THE JOY OF QRP- STRATEGY FOR SUCCESS

We have waited for this book for a long time! When the G-QRP CLUB CIRCUIT HANDBOOK was first published in 1982, we thought it would be out about the same time as a major book on QRP operation by W0RSP. The book has now appeared and is soon to be available in the UK. Adrian Weiss is perhaps the best-known figure among QRP operators in the USA. He is QRP Editor of CQ Magazine and was for many years the publisher of THE MILLIWATT, the first amateur radio magazine devoted to low-power operation. He is also sponsor of the MILLIWATT DXCC awards for under 5-watt and under 1-watt low-power operation.

The book attempts to give an overall treatment of the subject of low-power working on the hf bands. It includes an historical introduction to low-power radio communications, and goes on

to describe how to approach operating on the amateur bands with QRP. The book also contains a section on converting QRO equipment for low-power operation and building QRP equipment, including some practical circuits backed up with a p.c.b. service. There is an excellent section on techniques for operating with low power, and strategy and planning for hf band operation. The book concludes with a chapter on measurements with circuits for building suitable instruments for QRP operation.

I am most impressed both with the scope and content of the book. Anyone thinking of trying low-power operation on the hf bands, or even currently using QRP, should benefit from reading this book. The sections on objectives, planning and operating techniques, band selection and propagation would help any radio amateur, whatever power is being used by his station. It is good practical advice of the type more often acquired by experience or through the advice of others, than seen in an amateur radio publication.

=====

If you want a copy of JOY OF QRP, here's the ordering information.

Order from:

Adrian Weiss
526 N. Dakota St.
Vermillion, SD 57069

Price:

\$23.00 First Class Mail

\$26.00 Foreign

\$15.00 Senior Citizens (65+)

\$40.00 Two copies (to same address)

First 100 copies numbered and autographed by me (hey, that's what the famous authors do to boost sales, so why not try it?)

Special Deal

\$33.00 JOY OF QRP and HISTORY OF QRP IN THE U.S. (normally \$15)

Date: Fri, 10 Oct 1997 12:30:06 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: cfishman@pica.army.mil
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28525] Re: weak signal enhancement
Message-ID: <343E8256.1FAA@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I doubt that this has anything to do with the HAAS effect. The Haas effect or the Precedence effect, has to do with how your ear can be tricked regarding the directional origin of a sound. This is used in concert situations where loudspeakers located back in the audience are delayed to fire after the sound from the stage sound system arrives, tricking you into thinking you are hearing only the sound from the stage, not the nearby loudspeaker.

There is probably some psychoacoustic relationship, as well as some phase related property that enhances readability. I would like to read the original piece, though. Interesting idea.

Ken, N6TZV

Date: Fri, 10 Oct 1997 14:49:14 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: johnb@elmhurst.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28526] Re: FOX: Rude 'N9' station (LONG)
Message-ID: <343E86BA.7EC5@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Bohnert wrote:

>

> When taken to the extreme the logic may be faulty, but I believe I
> cannot call "too many times" IF I do not interfere with an ongoing
> exchange between the FOX and the hunter or stand-by when, for example,
> the FOX sends N1?? As long as the FOX has not given any indication,

John:

How about dropping your call once after the pileup has finished calling? If no response, then maybe drop it again. By leaving some space between calls you are indicating to others that you are in fact listening for a response. Hopefully they will follow your example and call and listen.

73 de Dave, NOIT

I have experienced similar happenings. If you take a small Norcal kit, say a 38s or a Norcal 40a, and hold it close to the "noise" you can actually see a real brand new Norcal kit jump out at you from the noise floor.

John A. Evans	Chief Systems Administrator
Office: (719) 528-1800 x164	Titan Software Systems
Fax: (719) 528-1888	1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com	Colorado Springs, CO 80907-3535

Norcal #262 ORP-L #219 ORP-ARCI #8303 NE-ORP #213 CQC #045

CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Fri, 10 Oct 1997 16:31:35 -0400 (EDT)
From: fmathews@norfolk.infi.net (Frank Matthews)
To: cjl@mail09.mitre.org (Charles J. Ludinsky)
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28528] Re: Pixie Sidetone
Message-ID: <v01530501b06409b4d163@[208.131.169.161]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Chuck says:

>What I did with one of my Pixies was to add a Tick keyer (at \$5.00). This gave
>me (1) A built-in keyer, (2) Sidetone, and (3) Keyed transmit frequency offset
>(so you can hear those guys that zero beat you). While this approach has a few
>problems, it makes the Pixie "feel" like a real rig.

Chuck,

This sounds like the ticket since my next concern was an offset.
Can you tell me a little more about how the freq. offset works? Also, does
Embedded Research take phone orders or are they strictly mail order?

Thanks for the input

Frank

Frank Matthews
Technology Education Department
Oscar F. Smith High School
Chesapeake, VA 23320
fmathews@norfolk.infi.net
KC4FKX QRP-L #1079 CQC #434 NorCal #2232 AK/QRP #199
Grid Square FM16

Date: Fri, 10 Oct 1997 23:25:23
From: lalexe@pcnet.pcnet.ro (Laurentiu Alexe)
To: qrp-l@Lehigh.EDU
Subject: [28529] CW/SSB ratio=18dB. How?....
Message-ID: <92@lalexe.pcnet.ro>

Hello dear QRPers,

I read this list since summer of 1995. It's a great list.
I learned a lot of things and I deleted a lot of things.

Now I have some questions for you.

Mon, 04 Aug 1997, Vic K2VCO wrote:

> When you include the approximately 18 db advantage of
> CW over SSB, you see that the only limit is activity!

18dB it's a ratio, but what kind of ratio is? Why this value
and no 6 dB or 24 dB? How did you calculate this?

Thank you in advance!

72 de Dan/Y03DAN

Bucharest/Romania

G-QRP #8703 QRP-L #857 YO-QRP #038

Date: Fri, 10 Oct 1997 15:57:35 +0000 (GMT)
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@Lehigh.EDU
Subject: [28530] Re: CW/SSB ratio=18dB. How?....
Message-ID: <199710101557.PAA09648@okcforum.org>
Content-Type: text

Dan, Y03DAN, asked:

> Now I have some questions for you.
> Mon, 04 Aug 1997, Vic K2VCO wrote:
> > When you include the approximately 18 db advantage of
> > CW over SSB, you see that the only limit is activity!
>
> 18dB it's a ratio, but what kind of ratio is? Why this value
> and no 6 dB or 24 dB? How did you calculate this?

One way to tackle this one would be to enlist the help of a local
ham. (local, so that changing propagation wouldn't spoil the

results.) Either one or both of the stations should have variable output power, and/or an attenuator in the receive antenna line. Simply establish the minimum power (or maximum attenuation) which will sustain SSB communications, and CW communications, and then compare the two.

--Jim WB5UDE

Date: Fri, 10 Oct 1997 15:44:33
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [28531] RE: weak sig Enhancement
Message-ID: <3.0.1.16.19971010154433.09674e62@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hmmm, very interesting comments so far. Thanks everyone. Sounds like some serious experimentation would definatly be worth while.

I was thinking that adding the enhancement signal at the audio would be the easiest thing to do, but from the comments, it might best be done at the IF frequency. In this case, it would be very easy to do. Just build up a simple one transisitor VXO with the same xtal as your BF0. This way you can tune it for best results. Since you don't want to inject too much signal, I'd build it in a small shielded box external to the rig and use a short piece of coax to loosely radiate some signal into the IF. Some kind of level control might also be of help.

First chance I get, I'll try it!

73,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Fri, 10 Oct 1997 14:11:50 -0700
From: Ed Loranger <we6w@qsl.net>
To: lalexe@pcnet.pcnet.ro
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28532] Re: CW/SSB ratio=18dB. How?....
Message-ID: <343E9A16.4FAA@qsl.net>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, hopefully I can help. I tossed around the idea of waiting 2 months to reply....

My quick guesstimation is:
Ratio of SSB/Cw Bandwidth: $2100/100=21$ or 13.2 dB.
----- PLUS -----
IF Gain Filter ratio: $2100/500=4.2$
Yields about $13.2 + 4.2= 17.4$ dB.

OK, the engineers will flock to answer you now,
Just to enlighten me!

Best to you, es keep on reading qrp-l.
Ed Loranger, we6w

Laurentiu Alexe wrote:

>
> Hello dear QRPers,
>
> I read this list since summer of 1995. It's a great list.
> I learned a lot of things and I deleted a lot of things.
>
> Now I have some questions for you.
> Mon, 04 Aug 1997, Vic K2VCO wrote:
> > When you include the approximately 18 db advantage of
> > CW over SSB, you see that the only limit is activity!

--
72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Fri, 10 Oct 1997 16:33:41 +0000 (GMT)
From: Jim Glover <psykey@okcforum.org>
To: kd1jv@moose.ncia.net
Cc: qrp-l@Lehigh.EDU
Subject: [28533] Re: weak sig Enhancement
Message-ID: <199710101633.QAA09802@okcforum.org>
Content-Type: text

>

> I was thinking that adding the enhancement signal at the audio would be the
> easiest thing to do, but from the comments, it might best be done at the IF

If this doesn't work, do try injecting the signal right at the antenna.
Without the boost at the very first stage, the too-weak-to-copy-without-help
signal may never make it through to the IF.

--Jim WB5UDE

Date: Fri, 10 Oct 1997 15:42:48 -0600
From: "Phil, K6LS" <k6ls@amsat.org>
To: vole@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28534] Re: Pacificon Denied!
Message-ID: <343E9348.2198@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joe Gervais wrote:

>
>
> ARGH! AAAARGH!!! I'm still on call for possible travel
> this month, which means I can't go to Pacificon. Did
> I already say "ARGH!"? Well, I *could* buy a ticket
> and take a gamble as to whether or not I'd end up on
> business travel, thereby blowing a few hundred dollars
> which I don't really have in the first place. :-/

HEEEELLLLLL0000000 !?!?!?!?

just get someone to call in for a desperatly needed
service call in Concord next weekend.

-you're on call, 'you the man' and on your way!

Now if I could only solve my own " Pacificon Delema " ;-)

--
73 de Phil, K6LS/O
QRP-L #612 NorCal #824
CQC #471 ARCI #8866
k6ls@qsl.net <or> k6ls@amsat.org
DM79or, Arapahoe County, Colorado

ITU zone 7, CQ zone 4
<http://www.qsl.net/k6ls>

Date: Fri, 10 Oct 1997 16:55:52
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [28535] Re: more on Weak signal enhancement
Message-ID: <3.0.1.16.19971010165552.09672006@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

Hey, I found the article ! I got it wrong! They were using noise to inhance weak signals! Something called "Stochastic resonance". Apparently adding just the right amount of random noise will enhance the signal. Too little and nothing happens, too much and you mask the signal.

However, the idea of adding in a known weak signal to enhance the one you want may very well be beter in our applications.

Anyway, the article is called "The Benefits of Background Noise" by Frank Moss and Kurt Wiesenfeld In the August 1995 issue of Scientific American.

There is even a neat little electronics project to deminstrate the effect on a muscical recording or a 660 Hz tone in the "Amatuer Scientist" section. Hmmm.

73,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Fri, 10 Oct 1997 18:01:36 -0400 (EDT)
From: fmathews@norfolk.infi.net (Frank Matthews)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [28536] "The QRP Channel"
Message-ID: <v01530503b0641ebbc212@[208.131.169.161]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gary,

Just saw your info related to Pacificon. I've recently started playing with PICS and Basic Stamps. Sure wish I could be there for your seminar. To bad it won't be video taped for publication or airing. :-)
Now there's an idea...."The QRP Channel". Surely there is room for one more channel on the cable systems! Best wishes at Pacificon!

Frank

Just a little note I sent to Gary Diana of Embedded Research. But think about it gang....wouldn't it be great?

Frank Matthews
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KC4FKX QRP-L #1079 CQC #434 NorCal #2232 AK/QRP #199
Grid Square FM16

Date: Fri, 10 Oct 1997 22:11:44 GMT
From: n4js@amsat.org (John Sielke)
To: qrp-l@Lehigh.EDU
Subject: [28537] A QRPer is Prepared!
Message-ID: <3440a6d5.7604965@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Well, next week I will be off for BOTH foxii. SO, I am getting ready. I have a W9GR DSP II filter, along with my OHR SCAF. I wish I could say my Hands GQ40 would be finished, but I am afraid not yet. (this is the most challenging kit I have built). However, my trusty OHR400 will be fine.=20

=46ortunately both are at a good propagation/time for the East Coast. Now, just so no solar flares, and we'll be back in the race...

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN

| .` ||_ _|| || |__ \ http://www.qsl.net/n4js
|_| _| |_| _/_/ |___/ NJ-QRP #57 QRP-L #884 QRP-ARCI AKQRP ARQrp =
#86
NE-QRP #507 G-QRP #9544 NorCal #1989 CQC CQRP QCWA FISTS #2781

Date: Fri, 10 Oct 1997 15:28:34 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: k6ls@amsat.org
Cc: qrp-1@Lehigh.EDU
Subject: [28538] Re: Pacificon Denied!
Message-ID: <199710102228.PAA05027@usr07.primenet.com>
Content-Type: text

Howdy Phil (and Folks),

Phil (K6LS/0) wrote:

>
> just get someone to call in for a desperately needed
> service call in Concord next weekend.
>
> -you're on call, 'you the man' and on your way!

Cool! So all I need is a bunch of QRPers to get together
and place a rush order for half a dozen UAV/RPV's, with
delivery to Concord. Hey, and they're chock full o' parts
that can be scavenged for all kinds of neat-o radio toys.

I can see it now - The UAV-40 xcvr - hot new kit from NorCal!
Self-portable! It's the only xmitter that acts as an antenna
support too! :-)

Heck, maybe I'll see you there. ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Veni Vertical Vamos - I came, I radiated, I left". -AB7TT

Date: Fri, 10 Oct 1997 16:30:07 -0600 (MDT)

From: Paul Harden <pharden@aoc.nrao.edu>
To: Joe Gervais <vole@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28539] Re: Pacificon Denied!
Message-ID: <Pine.SOL.3.91.971010155241.4327A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 10 Oct 1997, Joe Gervais wrote:

> ARGH! AAAARGH!!! I'm still on call for possible travel
> this month, which means I can't go to Pacificon.
>
> ARGH! Guess I'll be glued to the various Pacificon-
> savvy websites, waiting for the info/images to appear
> (on the new NorCal kit)
> Cheers de AB7TT,
>
> -Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

Let's make it even worse for poor ol' Joe. Nobody mention a thing
on QRP-L about the new kit for two weeks after PacifiCon or answer his
private emails about it. We'll drive him nuts!

Sorry you can't make it Joe, seriously. For those of you who haven't
met Joe or the other ScQRPions, they are some of the most gungho
QRPers you'll ever meet, enthusiastic, full of energy, and just lot's
of fun. We'll miss you, and understand. Trying to get a refund from the
airlines nowadays is an awful experience, not always successful. At least
with PacifiCon, you don't have a \$30 registration fee to get back.

72, Paul NA5N

Date: Fri, 10 Oct 1997 18:38:00 +0100
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
To: qrp-1@Lehigh.EDU
Subject: [28540] New info on my site
Message-ID: <g382uNA4fmP0EwWY@gqrpclub.demon.co.uk>
MIME-Version: 1.0

Check!

--

Frank G3YCC GQRP 042
QRP Web Page: <http://www.gqrpclub.demon.co.uk>

Packet: G3YCC@GB7HUL.#15.GBR.EU

End of QRP-L Digest 874
